

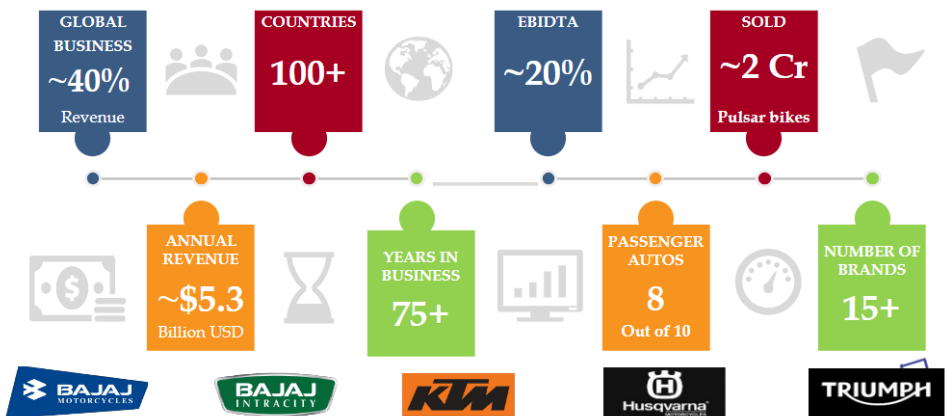


Bajaj Auto, a name synonymous with innovation and excellence, stands as a testament to India's prowess in global manufacturing. Since its inception in 1945 by Jamnalal Bajaj, the company has transformed from an Indian enterprise into a leading global player in the automotive industry. Its remarkable journey and achievements have solidified its reputation as the "World's Favourite Indian".

Bajaj Auto's rise to international prominence is a story of continuous innovation and commitment to quality. The company began with the production of scooters and three-wheelers and quickly established itself as a pioneer in the industry. Its breakthrough came with the launch of the Pulsar series, which revolutionized the motorcycle market with its performance and design. This was followed by the success of the Bajaj RE, a versatile and reliable three-wheeler that has become a common sight on roads across many countries.

Bajaj Auto's dedication to research and development has led to numerous advancements in automotive technology. The company's engineering excellence is reflected in its fuel-efficient engines, durable designs, and emission-control technologies. This focus on innovation has not only set industry standards but also contributed to the company's strong global presence. What sets Bajaj Auto apart as the "World's Favourite Indian" is its impressive global footprint. The company has successfully expanded into over 100+ countries across Asia, Africa, and Latin America. Its ability to cater to diverse markets with products tailored to local needs showcases its understanding of global consumer preferences.

Strength in Numbers



Graduate Trainee Engineers (GTEs)

We are seeking postgraduates and doctorates in Mechanical and Electrical Engineering to join our R&D teams. This role offers hands-on experience, applying technical skills to real-world projects in product design, testing, and optimization, while supporting operations with project execution and troubleshooting. GTEs will rotate through different teams to gain a well-rounded experience.



Chetak



THE WORLD'S
FAVOURITE
INDIAN

**WE ARE
HIRING!**

Vehicle Integration Validation & System Verification

Division: Research & Development
Department: Testing & Validation

Role:

Validate vehicle-level EEE architecture and system verification for both electric and conventional vehicles.

Major:

Electrical/Electronics/Instrumentation

Skills:

CAN log analysis, failure mode verification, and connected vehicle architecture testing.

Competencies:

Expertise in electric vehicle standards, software tools like CANOE, and testing standards like ISO26262.



**WE ARE
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Testing & Validation FEA Powertrain

Division: Testing & Validation
Department: CAE

Role:

Perform CAE analysis on powertrain systems, including engines, transmissions, and EV motors.

Major:

Mechanical Engineering

Skills:

Proficient in ANSYS, AVL, Hypermesh, and durability simulations for powertrain components.

Competencies:

Knowledge of strain gauges, CAE analysis tools, and subsystems analysis.

WE ARE

HIRING!

Electronics Reliability

Division: Research & Development
Department: EV Electronics

Role:

Ensure reliability and safety of automotive electronic control units in EVs.

Major:

Electrical/Electronics

Skills:

Reliability modeling, FMECA, and knowledge of tools like Relux for stress and statistical analysis.

Competencies:

Experience in DFMEA, automotive electronics, and reliability testing.



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Product Validation

Division: Research & Development
Department: EV Electronics

Role:

Validate EV components, systems, and assemblies through electrical, durability, and functional testing.

Major:

Electrical/Electronics

Skills:

Testing methodologies, data acquisition, and failure mode analysis.

Competencies:

Strong attention to detail, teamwork, and problem-solving abilities.



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Charging Systems

Division: Research & Development
Department: EV Electronics Design

Role:

Lead the design and development of onboard and offboard EV charging systems.

Major:

Electrical/Electronics/Instrumentation (MS in Power Electronics preferred)

Skills:

Charging system architecture, FMEA, regulatory standards, and EV infrastructure deployment.

Competencies:

Leadership skills, cross-functional collaboration, and innovation in power electronics.



**WE ARE
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Cloud Analytics & Machine Learning

Division: Research & Development
Department: Testing & Validation

Role:

Lead vehicle and fleet analytics using cloud computing platforms.

Major:

Mechanical/Electrical/Computer Applications

Skills:

Expertise in cloud platforms (AWS, Azure), analytics, and Power BI dashboard management.

Competencies:

Deep understanding of analytics and machine learning concepts.

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Motor Design

Division: Research & Development
Department: Motor Control

Role:

Design and develop motor control algorithms for EV motors.

Major:

Electrical Engineering (Power Electronics or Motor Drives preferred)

Skills:

Motor control algorithms, MATLAB/Simulink, DSP/Microcontroller-based control systems.

Competencies:

Knowledge of motor types, control theories (FOC, MTPA), and power electronics.



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Electrical & Electronics Vehicle Integration

Division: Research & Development

Department: Electrical & Electronics Vehicle Integration

Role:

Design and integrate electrical systems and components in vehicles, ensuring compliance with standards.

Major:

Electrical/Electronics

Skills:

Electrical system diagrams, vehicle harness design, and layout packaging.

Competencies:

Proficiency in electrical systems, design optimization, and collaboration with plant and service teams.



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Vehicle Integration EV

Division: Research & Development
Department: Electric Vehicle (EV)

Role:

Design and integrate EV electrical architectures, including energy storage, motor control, and inverters.

Major:

Electrical/Electronics

Skills:

System architecture design, failure mode analysis, and diagnostics.

Competencies:

Knowledge of global automotive standards, EV components, and vehicle testing.



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Electrical & Electromagnetics

Division: Research & Development
Department: Electrical & Electromechanics

Role:

Design, validate, and optimize electromechanical components for vehicles (starter motors, alternators, etc.).

Major:

Electrical/Mechanical

Skills:

Electromagnetic component design, packaging, and optimization for performance and cost.

Competencies:

Proficient in electromagnetic design tools like FLUX, SPEED, and Maxwell.

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Electrical Design Quality

Division: Research & Development

Department: Electrical & Electronics Quality Engineering

Role:

Ensure design quality and address early product quality issues in electrical and electronic systems.

Major:

Electrical/Electronics

Skills:

Root cause analysis, design quality management, and FMEA.

Competencies:

Strong knowledge of electrical systems, regulatory standards, and quality tools like 6W-2H.



**WE ARE
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Firmware Development

Division: Research & Development
Department: Intelligent Systems

Role:

Develop firmware for ARM Cortex-M microcontrollers used in EV control units.

Major:

Electronics/Embedded Systems

Skills:

Embedded C programming, microcontroller architecture, RTOS, and CAN protocol.

Competencies:

Proficient in debugging tools, driver development, and embedded software design.



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System Engineering

Division: Research & Development
Department: System Engineering

Role:

Decompose high-level vehicle requirements into software and hardware system designs.

Major:

Electronics/Instrumentation

Skills:

Vehicle network design, CAN communication, and fault tree analysis.

Competencies:

Ability to interpret network logs, manage development workflows, and collaborate with stakeholders.



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Software Verification

Division: Research & Development
Department: Embedded Systems

Role:

Verify embedded software for EV systems, including unit and integration tests.

Major:

Electrical/Computer Science

Skills:

Python scripting, CAN protocol testing, and software verification tools like TESSY.

Competencies:

Experience with Jenkins, LabVIEW, and automated testing environments.