BARUN KUMAR GUPTA

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EDUCATION

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY, Bhubaneswar
Computer Science and Engineering (B.Tech) CGPA : 8.54

EXPERIENCE / INTERNSHIPS

Software Engineer — Volkswagen India Nov 2025 - Present

- Working as a Java Full Stack Developer, building scalable enterprise applications using Java Spring Boot, Node.js, and TypeScript.
- Gaining expertise in modern databases (Neo4j, Redis, MongoDB, Cassandra, SQL) and containerization technologies (Docker, Kubernetes).
- Contributing to backend services with Hibernate ORM and implementing RESTful APIs for automotive digital solutions. 9

Data Science Intern — ICICI Prudential June 2024 - July 2024

- Built a loan prediction pipeline using machine learning models to assess eligibility and risk patterns.
- Used SQL and Python for data extraction, preprocessing, and feature engineering.
- Assisted in evaluating model performance and insights for business decision support.

Software Engineer Intern — Hindustan Aeronautics Limited June 2023 - July 2023

- Developed a Python-based audio denoising and speech-to-text prototype for pilot communication data.
- Applied NLP and Transformer-based models using Pandas and NumPy to process noisy audio signals.
- Worked within multi-team engineering workflows, with exposure to distributed systems and optimization concepts.

PROJECTS

AI Career Path - Personalized Career Guidance App:[Github]

- Built an AI-driven recommendation system to suggest learning paths, courses, and job roles based on user skills.
- Implemented ML-based personalization logic and backend APIs for scalable recommendations.

Brainly– Digital Knowledge Organizer :[Live Link]

- Developed a full-stack web application that allows users to save and organize links, videos, and articles acting as a personalized second brain for managing digital content.
- Built using React and TypeScript for the frontend, Node.js and Express with TypeScript for the backend, and MongoDB for scalable data storage and retrieval.
- Helped users streamline content consumption and improve personal productivity and information recall.

CollabCanvas– Real-Time Collaborative Whiteboard :[Github]

- Created a real-time collaborative whiteboard platform, enabling multiple users to draw, brainstorm, and ideate together visually.
- Built with Next.js for the frontend, Java Spring Boot for the backend, used WebSockets for live collaboration, and managed the project with Turborepo monorepo architecture.

SKILLS

Programming Languages	TypeScript, JavaScript, Python, C++, Java
Backend & Full-Stack	Node.js, Express.js, Flask, React.js, Next.js, Spring Boot
Tools and Operating Systems	Redis, Docker, Git, Linux, AWS, Postman
Databases	PostgreSQL, Cassandra, Neo4j, MongoDB, MySQL
Others	Data Structures, Algorithms, Operating Systems, object-oriented design