

# Debarun Deb

Kolkata, West Bengal, India

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## TECHNICAL SKILLS

**Programming Languages:** C/C++, SQL, Python, R, Java

**Scripting Languages:** JavaScript, HTML/CSS

**Frameworks:** Node.js, Express.js, Flask, Kafka

**Databases:** MongoDB, Postgres, MySQL, Pinecone

**Developer Tools:** Git, Docker, VS Code, PyCharm, Postman

## WORK EXPERIENCE

### NRI FT India, Kolkata

August 2024 – Present

*Associate Software Engineer*

- Streamlined software installation on development and QA machines using Puppet, reducing manual oversight by 80%.
- Developed 1Bash scripts for automation and deployed Java-based bug fixes that decreased downtime by 35%.
- Technologies leveraged: Java, Spring, SQL, Puppet, Bash.

### AiBi Tech, Bangalore

May 2024 – July 2024

*Associate Software Engineer*

- Co-developed an in-house CMS system using Node.js for a team of , boosting workflow efficiency by 60% and reducing manual intervention.
- Created and maintained APIs in PHP and Node.js for multiple projects, ensuring 90% uptime and seamless data integration.
- Engineered and optimized databases for key projects with MongoDB and MySQL, enhancing data retrieval speed by 30% and improving OCR model performance by 25%.
- Technologies leveraged: Python, JavaScript, PHP, Node.js, MongoDB, MySQL, Google APIs, Tesseract.

## EDUCATION

### Sikkim Manipal Institute of Technology (2021 – 2025)

Sikkim, India

*B.Tech in Computer Science and Engineering*

*CGPA: 8.1*

## PROJECTS

### Project Management System | React, Node.js, Postgres, Sequelize, Flask, Pinecone

May 2024 – June 2024

- Architected a project management system handling 100+ projects, increasing task management efficiency by 30%.
- Implemented a feature for uploading problem-solution pairs; the system uses BERT to identify similar documents and auto-generate answers.
- Built and implemented a scalable backend system using Node.js and Express.js, facilitating efficient CRUD operations for user management with enhanced performance and security
- Integrated a Kanban board that improved collaboration by streamlining active workflows.

### Resource Allocation | React, Node.js, MongoDB, Tailwind, Docker

July 2023 – December 2023

- Collaborated on full-stack development of a web application, serving 100+ internal users with real-time data.
- Optimized resource allocation processes, increasing organizational efficiency by 70% and reducing manual effort by 60 hours/month.
- Designed and implemented backend features to handle 100+ client requests and approval workflows.
- Integrated automated email notifications via SendGrid, achieving a 95% on-time update rate.

## CERTIFICATION

**Node.js, Express, MongoDB & More: The Complete Bootcamp 2023**

May 2023 – June 2023