

Abhinav Giri

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EDUCATION

UPES, Dehradun

Dehradun, India

B.Tech in Computer Science Engineering — Full Stack AI

2022 – 2026

– CGPA: 7.88/10

EXPERIENCE

Project Intern — Xebia

June 2025 – July 2025

Remote

- Developed **RentEase**, a multi-role rental management platform supporting Admin, Landlord, and Tenant workflows, ensuring smooth user navigation and a secure experience.
- Implemented communication, scheduling, and payment workflows including an in-app chat system, booking calendar, and **Stripe-based encrypted payment gateway**.
- Containerized the full-stack architecture using **Docker**, and deployed it on Render and Vercel using CI/CD pipelines to improve development efficiency and reliability.

Intern — ONGC, Dehradun

Dec 2024 – Jan 2025

Dehradun, India

- Developed a multilingual AI-driven text summarizer using **BART-Large-CNN**, enabling users to generate concise summaries from lengthy documents.
- Built a secure Flask REST API integrating HuggingFace models, with emphasis on fast response times, stable endpoints, and safe processing of user text data.
- Added multilingual support through the Google Translate API, making the tool accessible to users in multiple language contexts.

PROJECTS

Personal Finance Manager | *MERN Stack, JWT, Chart.js*

- Built a full-stack personal finance dashboard enabling users to track expenses and manage budgets
- Implemented JWT authentication with encrypted data storage for secure financial record management.
- Integrated features like downloadable PDF reports, category-based spending insights for better financial planning.

Spell Checker | *C++, Damerau-Levenshtein, Prefix Trie*

- Developed an efficient spell-checking tool capable of detecting and correcting typos.
- Replaced the earlier linear dictionary scan with a **Prefix Trie**, significantly reducing lookup time.
- Implemented the Damerau-Levenshtein distance algorithm to handle common typographical mistakes.

ACHIEVEMENTS

Shodh Research Grant Recipient (AutiSense Project)

July 2025

- Received funding to build **AutiSense**, an AI-based autism screening platform designed for early detection using structured questionnaires and ML models.
- Developing a secure full-stack solution using Next.js, Flask, Firebase, and Scikit-learn with strong focus on privacy, secure API architecture, and reliable data insights.

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, C, HTML, CSS

Frameworks/Libraries: React.js, Node.js, Express.js, Flask, Scikit-learn, Pandas, NumPy

Backend/Database: PostgreSQL, MySQL, MongoDB, Firebase, REST APIs, JWT Auth

DevOps/Deployment: Docker, GitHub Actions, Netlify, Vercel, Render

Cloud/Tools: AWS (EC2, S3), Git, VS Code, Postman, Jupyter Notebook

Soft Skills: Collaboration, Communication, Problem-Solving, Adaptability