

Abhinav Giri

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EDUCATION

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| UPES, Dehradun <i>B.Tech in Computer Science Engineering — Full Stack AI</i> — CGPA: 7.88/10 | Dehradun, India 2022 – 2026 |
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EXPERIENCE

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| Project Intern — Xebia <i>Remote</i> | June 2025 – July 2025 |
| — 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 <i>Dehradun, India</i> | Dec 2024 – Jan 2025 |
| — 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

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| Personal Finance Manager <i>MERN Stack, JWT, Chart.js</i> | |
| — 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 <i>C++, Damerau-Levenshtein, Prefix Trie</i> | July 2025 |
| — 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

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| 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

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| 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 |