Vineet Bambah

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Education

Dr. B.R. Ambedkar National Institute of Technology, Jalandhar   2022 - Present
B.Tech in Electronics & Communication Engineering

Experience

MaploT.ai InfoTech Solutions   October 2025 - Present
Full Stack Developer (Part Time)

- Optimized Django backend performance by improving SQL/ORM query efficiency, eliminating redundant database calls, and refactoring API logic to reduce latency and server load.
- Developed and enhanced core platform features, including role-based project visibility controls and a secure password-change workflow with automated confirmation email delivery.

Freelance Software Developer   2024 - Present

- Built and deployed a responsive company website (live site) for a fertilizer manufacturing client, implementing SEO and performance optimizations that resulted in 100% Lighthouse scores for Best Practices and SEO.
- Debugged and resolved deployment/code issues for an AI startup, enabling production launch within 1 week.

Indian Institute of Remote Sensing, ISRO   June 2025 - July 2025
Summer Research Intern

- Developed a fuzzy logic-based supervised classification algorithm in Python to identify water bodies from multispectral satellite imagery using remote sensing techniques and training sample vectors.
- Processed Band Interleaved by Line (BIL) raster datasets using libraries such as Matplotlib and NumPy; performed pixel-wise membership value computation and patch-wise analysis.

Open Source Contributor   2024 - Present

- StructuredLabs (Preswald): Reported reproducible bugs and submitted PRs #776 , #777 fixing visualization rendering issues, improving the stability of interactive Python data apps.
- Inkscape: Raised 20+ issues and submitted UI/UX fixes including !6293 (color wheel alignment), merged into the Inkscape 1.6 release used by thousands of designers.

Projects

Code Calendar (NextJS, NodeJS)   GitHub

- Built a web application that aggregates coding contests from multiple platforms including Codeforces, CodeChef, and LeetCode, allowing users to easily view all upcoming and past contests in one unified interface.
- Designed and implemented both REST and GraphQL APIs, deployed them on an AWS EC2 server, and connected the frontend to fetch contest data dynamically in real-time, improving usability and responsiveness.

Venture-Eth (NextJS, Web3JS,Solidity)   Github

- Built a web application that enables creators to launch crowdfunding campaigns with transparent fund collection using Ethereum smart contracts, providing users with a secure and decentralized funding experience.
- Connected a Next.js frontend to Solidity smart contracts deployed on an Ethereum testnet, implemented real-time transaction handling, and ensured accurate fund tracking and validation across campaigns.

Skills

Languages & Databases: TypeScript, JavaScript, Python, C/C++, SQL/PostgreSQL, Solidity, MongoDB

Frameworks & Technologies: React/Next.js, Node.js/Express, Django, AWS, Git, FastAPI, Docker, Prisma

Volunteering

- **Google Developer Group on Campus - NIT Jalandhar**, Core Team Member
- Organization team for **TEDx NIT Jalandhar** 2024 edition