Varun Kolanu

Email-id : **kolanuvarun739@gmail.com**　　　Portfolio　　　LinkedIn Profile　　　GitHub Profile

EDUCATION

Year	Degree	Institute	CGPA/%
2022 - Present	B.Tech	IIT (BHU) Varanasi	8.08 CGPA
2021	12th - TSBIE	TSRJC Sarvail	98.80%

EXPERIENCE

- **GSoC'25 @Zulip**
  - Contributed to the open-source organization Zulip through Google Summer of Code'25.
  - Improved integrations framework of Zulip and worked in the areas of Webhooks, Event management, Full Stack.
  - **Exposure:** Open-Source, Django, Webhooks, Git, GitHub, Testing, RabbitMQ.
- **Intern @Samsung R&D Bangalore**
  - Worked as an intern at Samsung R&D Bangalore from May'25 to July'25.
  - Contributed to the full-stack development of a product in Building Energy Management Systems involving frontend, backend and testing.
  - **Exposure:** ReactJs, VueJs, SpringBoot, JUnit Tests, Jira.

PROJECTS

- **Issue Assigner - GitHub Bot**
  - Built a GitHub app named Issue Assigner, which assigns an issue to a user when they request it in comments by using a prompt like **@issue-assigner claim**, and guides users when an issue is opened.
  - Used **Probot** framework, enabled customizable prompts from the user and **customizable** comments from the bot through the config file in the repository. Created robust unit and integration **tests** and **http mocks** using Nock.
  - Wrote an article on Medium about how it works and the motivation behind it, published the app on the official probot site.
  - **Exposure:** Node.js, Building GitHub Apps, Probot, Testing, Nock, Webhooks.
- **BizSights - Inter IIT Hackathon**
  - Contributed to large part of a full stack application that has a front-end in **Next.ts**, back-end in **Go**, load balance in **KongAPI**, ML integration in **Flask** in a month-long hackathon conducted in our college for Inter IIT selections and **secured the first place**.
  - The developed site provides business analytics of various companies to help users in making better investments.
  - Also, Integrated Google and GitHub OAuth, 2-factor authentication (TOTP), and Added load-balancing for handling thousands of requests at a time.
  - **Exposure:** Next.js, TypeScript, Echo framework of Go, Load balancing, Deployment in AWS EC2, Flask.

TECHNICAL SKILLS

- **Areas**: Full-Stack, App Dev, DevOps, Low-level programming, Interpreters, Web3.
- **Frontend:** ReactJS, Next JS, Vue JS, Three.js, Figma, Tailwind CSS.
- **Backend:** Express JS, Django, Flask, Graph QL, Prisma, MongoDB, MySQL.
- **DevOps:** Git, Making GitHub Bots using the Probot framework, Shell Scripting, AWS EC2.
- **Languages:** C, C++, JavaScript, TypeScript, Python, Rust, Go.
- **Other:** Solidity Smart-contracts, Hardhat JS, Deep Neural Networks, CNN, Flutter

ACHIEVEMENTS

- Grabbed a **Bronze medal** in a month long high-prep event at Inter IIT 12.0, a competition among various IITs.
- All India Rank **2007** in **Jee Advanced** 2022 and **99.52 percentile** in **Jee Main** 2022.
- Max Rating of 1353 on Codeforces and Max rating of 1598 on Codechef.