Praneethnadh Vudattu

Portfolio: https://personalportfolio-lilac.vercel.app/   vpraneethnadh@gmail.com / +91-95732 67424

GitHub: https://github.com/vpraneethnadh   LinkedIn: www.linkedin.com/in/vpraneethnadh

SKILLS SUMMARY

- **Programming Languages**:   **Java** · Python · JavaScript · HTML · CSS
- **Tools & IDEs**:   **VS Code** · IntelliJ IDEA · Eclipse · PyCharm · Turbo C
- **Frameworks & Libraries**:   **React JS** · WordPress
- **Cloud Platforms:**   **Firebase**
- **Databases:**   **SQL** · MySQL
- **Relevant Coursework:**   OOPS · **Data Structures & Algorithms**

PROJECTS

Multi Language Compiler Using React | [GitHub Link]   **May 2025**

- Architected a React JS frontend (hosted on Vercel) and a Node.js/Express backend (deployed on Render) to compile and execute code in **11 languages**.
- Built a modular Web Dev workspace with **8** React components (editors, preview pane) and a Web Assembly-powered SQL engine (sql.js) to run **150+** queries client-side, reducing server load by **45%** and improving performance.
- Integrated **Gemini Flash 2.0 API** with a **Node.js** backend to enable intelligent content generation and real-time response handling for dynamic user inputs.
- Implemented user authentication using Firebase, enabling seamless login and registration with real-time user addition, resulting in a **60%** reduction in authentication errors and a **40%** faster user onboarding process.
  Technologies: React JS, JavaScript, CSS, APIs.

Online Course Registration Platform | [GitHub Link]   **March 2024**

- Engineered an Online Course Registration System for Students.
- Optimized SQL queries, accelerating page load times by **30%** and boosting overall system performance.
- Elevated user engagement by **40%** through designing an intuitive interface and implementing real-time content updates.
  Technologies: PHP, SQL, JavaScript, HTML, CSS.

Email Text-to-Voice and Translation System | [GitHub Link]   **December 2023**

- Developed an advanced email text-to-voice and translation system on Linux and Raspberry Pi, achieving **100%** automation and processing over **1,000** emails daily.
- Architected a comprehensive automation system using Python and translation APIs, handling over **5,000** entries monthly; enhanced data accuracy and decreased translation errors by **30%.**
  Technologies: Python, Raspberry Pi, gTTS, imaplib, SMTP.

Car Theft Detection System | [GitHub Link]   **August 2023**

- Constructed a real-time Python-based application to interact with sensors, analyzing data using **7+** modules.
- Leveraged **gTTS** (text-to-speech), Email, and imaplib, maximizing **90%** of the Raspberry Pi's GPIO capabilities.
  Technologies: Python, Raspberry Pi, gTTs, imaplib, SMTP.

EDUCATION

- **Vellore Institute of Technology (VIT), Amaravati**   Andhra Pradesh, India
  Bachelors in Computer Science (CGPA 8.44)   *August 2021 - May 2025*

- **Sri Chaitanya Academy Junior College, Tirupati**   Andhra Pradesh, India
  Andhra Pradesh Board of Intermediate Education Examination (Percentage 84.9%)   *June 2019 - May 2021*

- **Narayana EM School, Kuppam**   Andhra Pradesh, India
  AP SSC Board Examination (CGPA 9.3)   *June 2018 -April 2019*