Pranav Varanasi

Bengaluru, Karnataka

Java Full Stack Developer at TCS with 1 year of experience in Spring Boot, Microservices, and React. Skilled in building scalable web applications, RESTful APIs, and backend optimization. Passionate about Generative AI and Machine Learning, constantly exploring AI-driven solutions to enhance software development.

Skills:

Frontend	Backend	Development Tools
JavaScript & Typescript	Java	Git
React, HTML & CSS	Spring Boot & Hibernate	Maven
Jest	Junit, Karate	Docker

Work Experience:

- **Java Full-Stack Developer at Tata Consultancy Services (07/2024-Present)**
  - o Currently working with one of the top insurance clients (BFSI) in the Nordic region, developing scalable and high-performance applications.
  - o Designed and implemented the inbox module of a web application to manage and track user communication efficiently. Leveraged React.js for the frontend, ensuring a seamless and responsive user experience. Built robust backend APIs using Java and Spring Boot, integrating with existing systems.

Personal Projects:

- **Personal Portfolio Website**
  - o A responsive personal portfolio built with React.js, using Material-UI, Bootstrap UI, and UI Verse for a sleek design.
- **Social: A dynamic social media platform built with React.js and Spring Boot.**
  - o Users can join groups, connect with people, and share posts that are visible only within their respective groups.
  - o The platform ensures a focused and community-driven experience, enhancing engagement through exclusive content sharing within each group.
  - o Developed with Spring Boot and JPA, ensuring efficient data handling. Rest API provides endpoints for user authentication, group management, and post handling.
- **Face Recognition Using Siamese Neural Network**
  - o Employed a Siamese Neural Network to implement one-shot face recognition.
  - o Utilizing OpenCV, created a custom dataset, enabling accurate and efficient facial recognition.
  - o Platform: Jupyter Notebook.
  - o Libraries used: TensorFlow, OpenCV, Numpy.

Accomplishments:

- Solved more than **500 problems** in Leetcode.
- **855 points (Gold Five Star) in Problem Solving Hackerrank** (11/2021 - Present)
- Secured a rank of **842** in AP EAMCET. (2020)

Education:

- **B.Tech in Computer Science and Engineering** - Jawaharlal Nehru Technological University, Kakinada 02/2021 – 05/2024, **CGPA 8.2**
- **Intermediate** - Tirumala Junior College, Visakhapatnam 06/2018 - 06/2020, **GPA 10**
- **ICSE** - St. Ann's High School, Visakhapatnam 06/2007 - 05/2018, **85.6%**

Certifications:

- **Java Spring Framework 6 with Spring Boot 3 (06/2024 -08/2024)** - Java, Spring 6 and Spring Boot 3 with JDBC, JPA, Security, Docker and Microservices.
- **Generative AI with Large language models (10/2023 – 11/2023)** - Large Language Models Such as FLAN, GPT etc are fine tuned to user's Specifications using techniques such as Instruction Fine tuning, PEFT and LORA.
- **DeepLearning.AI TensorFlow Developer Professional Certificate (08/2022)** - Concepts like Deep learning, Convolutional Neural Networks, Data Image Generator, Image Augmentation, NLP, Time series and prediction
- **Machine Learning -Stanford Online (04/2022)** - Concepts like Supervised Learning, Unsupervised learning, Neural Networks and Reinforcement Learning.

Interests:

Interesting use cases of ML	Advancements in AI	Singing & Dancing
Cricket	PC Games	Deep leaning