Sai Pranay Chebium

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SUMMARY

Computer Science graduate student. Experience in languages like Python, C++, Java and web technologies like HTML, CSS, JavaScript, and MySQL. Developed scalable web and mobile applications using React, React Native, and FastAPI. Strong experience in iOS and Android development, as well as Firebase and microservices. Known for attention to detail, writing clean and efficient code, and strong problem-solving mindset. Additionally, engaged in research projects on software maintainability prediction and distributed algorithms for social media link prediction. Seeking a full time opportunity to apply my abilities and contribute to worthwhile projects.

EDUCATION

Master's in Computer Science, Florida State University	GPA: 3.917/4	2024 - 2026
B.Tech in CSE, SRM University - AP	GPA: 3.83/4	2019 - 2023

SKILLS

Programming Languages	Python, C++, Java, C, Machine Learning (ML) & Artificial Intelligence (AI)
Web Skills	HTML, CSS, MySQL, JavaScript, TypeScript, JQuery
Frameworks	React, Nextjs, Bootstrap, React Native, FastAPI, Node.js
Tools	Android Studio, VScode, LaTeX, Firebase, Xcode, Sublime Text, Git
Cloud Services	AWS, Google Cloud, Azure DevOps, CI/CD
Containerization	Docker, Kubernetes, Terraform
Databases	MySQL, SQL, NoSQL
Language Proficiency	English, Telugu, Hindi
ORM	Prisma

WORK EXPERIENCE

MAJD Digital *Dubai, UAE*   November 2022 - December 2023

- Developed and maintained scalable full-stack applications using React, React Native, and Firebase, improving system performance by 40%.
- Reduced application crash rate by 50% through optimized error handling and backend debugging.
- Collaborated with cross-functional teams to design APIs and enhance system reliability across web and mobile platforms.

University Teknalogy Petronas(UTP) *Perak, Malaysia*   June 2022 - July 2022

- It was an immersion program where we were taught courses as well as business management and projects were done individually and by group.

APSSDC *Vijayawada, Andhra Pradesh*   June 2021 - July 2021

- Industrial Training Internship on Android App Development using Java

All the above mentioned roles are my internship experience during my undergraduate study.

RESEARCH

Published:

Software Maintainability Prediction

- Research on software maintainability prediction using ensemble learning methods in machine learning. (https://ieeexplore.ieee.org/document/10135034)

Under Review:

Distributed and Parallel Algorithms for Link Prediction In Social Media Networks

- Research on establishing distributed and parallel algorithms for prediction of various links in a social media network.
- Currently working on the research as a part of the final year capstone project

Disease Prediction

- Research on diagnosing cancer using classification of symptoms.

PROJECTS

Portfolio
A Personal Portfolio developed by using web technology ReactJS. Portfolio comprises of my personal information and my projects.

Socio
A Socio is a chatting web application developed using NextJs, NextAUth, Mongodb, Prisma. This application works in realtime by the help of pusher. Users can SignUp/Login, start conversation, create groups, and edit profile information. Built using RESTful APIs and real-time communication to ensure performance and scalability.

MerchWorld
Created an e-commerce platform using React and FastAPI to support the sale of items from various artists across the world. This website acts as a centralised platform for actors, musicians, YouTubers, and other artists to showcase and sell their products worldwide. MerchWorld intends to create a simple shopping experience for customers looking for items by cutting down the browsing time and minimising fraudulent activities.

Meble — Furniture Shopping App
An app designed using Java and Android Studio which enables users to select from a wide range of traditional and contemporary furniture to improve their aesthetic appearance of their commercial or private property.

Notes Website
I created a Notes website using react that allows users to write, edit, and store notes. This website has a JSON-based storage system, which ensures that the notes remain even after the page is reloaded. In addition to that it also a handy feature that allows users to choose between dark and light modes, improving the visual experience.

Hostel Management System
I developed a website called Hostel Management System using web technologies HTML, CSS, JavaScript, MySQL and PHP. This website enables the administrator to handle all parts of the hostel smoothly, while also giving students a straightforward way to book their hostel room. It also features a user-friendly interface through which students can use the system by logging in/signing up.

Pet Registration Form
Developed a comprehensive pet management system using Java and Swing technology in the Eclipse IDE. This system meets the different demands of pet owners by providing features such as pet registration, missing complaint filing, and access to information on pets rescued by non-governmental organisations.

MOOCs (Massive Open Online Courses)

- DevOps: Docker, Kubernetes, Terraform and Azure DevOps, Udemy - 2023
- Basic Problem Solving, Hackerrank — 2021
- Python Problem Solving, Hackerrank — 2021
- Amazon GO - Future of shopping (AI) — 2020