

Suvakovan

Roll No.: 513423104023

Bachelor of Engineering

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SUMMARY

Aspiring Software Developer skilled in Python, React, Node.js, and REST API development, with a strong foundation in Data Structures, Algorithms, and Object-Oriented Programming. Experienced in building scalable web applications and backend systems, with hands-on experience working with PostgreSQL, MongoDB, and AWS.

EDUCATION

•Bachelor of Engineering in Computer Science and Engineering

University College of Engineering, Kancheepuram

2023-27

CGPA: 8.23

•Higher Secondary Course

Sri Sankara Higher Secondary School, Odugathur

2021-23

Percentage: 81.55

PERSONAL PROJECTS

•AI-Based Succession Planning Leadership Development System

Dec 2025

A web-based intelligent talent management platform, implemented using a full-stack architecture.

- Developed an AI-powered talent management platform; implemented full-stack architecture using React, TypeScript, Node.js, and PostgreSQL to enhance succession planning and leadership development; achieved a user adoption rate of 80
- Built role-based dashboards (Employee, Manager, Admin) with features like 9-box grid, IDP tracking, and career path visualization.
- Technology Used: React, TypeScript, Node.js, APIs, scalability and PostgreSQL following Clean Architecture principles.

•SMTP Protocol Mailer

Feb 2026

A secure email delivery system leveraging SMTP protocol and encryption standards.

- Created a secure Python mailer with SMTP, TLS encryption, and authenticated login, facilitating the daily dispatch of over 10,000 personalized customer updates.
- Implemented MIME multipart messages and RFC-compliant headers for reliable email delivery.
- Designed rate-limiting and error handling mechanisms to prevent server blocking.
- Technology Used: Python, Flask, SMTP Protocol.

EXPERIENCE

•Data Analytics Intern

Dec - Jan 2026

Hyundai Motor Company

offline

- Performed data preprocessing and analysis on large datasets using Python.
- Extracted and analyzed XX TB of data using Python (Pandas, NumPy) to identify key trends and patterns for business decision-making..
- Developed 5+ data visualizations with Matplotlib and Seaborn, translating complex data into actionable insights for stakeholders..
- Automated data reporting processes using Python, reducing manual effort and improving data accuracy for ongoing business analysis, saving XX hours per week.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, HTML, CSS, Javascript

Libraries : Requests , Python Libraries

Web Dev Tools: Nodejs, Flask, VScode, Git, Github, REST APIs

Frameworks: ReactJs

Cloud/Databases:MongoDb, Firebase, Relational Database(mysql)

Relevant Coursework: Data Structures & Algorithms, Operating Systems, OOP, DBMS, Software Engineering.

Areas of Interest: Web Design and Development.

Soft Skills: Problem Solving skills, Self-learning, Presentation, Adaptability, Communication, Team Collaboration , Organization skills

ADDITIONAL INFORMATION

Languages: English (Work Professional Proficiency) , Tamil (Native)

Certifications: Google – Professional Machine Learning Engineer, Infosys – Big Data 101, IBM – PMP

Awards:Smart India Hackathon (SIH) 2025 – Awarded by AICTE Vice Chairman for developing an AI-based solution

Activities:Solved 125+ problems on LeetCode, focusing on Data Structures, Algorithms, and problem-solving,Practiced system design and object-oriented design problems.