Yash Srivastava

Aspiring Software Engineer | Python Full Stack Developer | AI/ML Specialist

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Professional Summary

Dedicated and aspiring Computer Science student with a strong foundation in Python Full Stack Development, Artificial Intelligence, and Data Engineering. Proficient in developing scalable applications, data pipelines, and AI models. Experienced in internships and hackathons with top organizations like Amazon, Google, and AICTE. Adept in a wide range of technologies including AWS, Azure, Python, and IoT. Committed to leveraging technical expertise to deliver impactful solutions.

Education

Bachelor of Technology in Computer Science Engineering
SRM Institute of Science and Technology, Chennai, India | July 2022 – January 2026
Higher Secondary Education: Ryan International School (PCM), March 2022

Work Experience

Python Full Stack Developer

AICTE | Remote | October 2024 – December 2024

- • Developed dynamic full-stack applications using Python and related frameworks.
- • Implemented RESTful APIs to enhance application scalability and performance.
- • Collaborated with teams to streamline data integration and cloud deployment.

Data Engineering Virtual Internship

Amazon | Remote | July 2024 – September 2024

- • Implemented ETL pipelines to streamline data processing and enhance database performance.
- • Automated data workflows using Python, boosting operational efficiency.
- • Ensured data integrity through advanced validation techniques.

AI/ML Virtual Internship

Google | Remote | April 2024 – June 2024

- • Applied machine learning algorithms to real-world datasets, improving model accuracy by 15%.
- • Collaborated on predictive analytics projects using TensorFlow and PyTorch.
- • Explored AI-based solutions to optimize business processes.

Management Information Systems Intern

TopTrove Foundation | Remote | September 2024 – Present

- • Managed organizational data and optimized reporting processes using Python and Excel.
- • Streamlined documentation workflows to enhance operational efficiency.
- • Assisted in managing cloud-based MIS systems for effective data handling.

Artificial Intelligence Programmer

Acmegrade | Chennai, India | October 2022 – December 2022

- • Developed AI-based solutions using Python, TensorFlow, and PyTorch.
- • Collaborated on implementing predictive models for client use cases.
- • Enhanced data preprocessing workflows to improve model accuracy.

Technical Skills

Programming Languages: Python, C++, SQL, NoSQL
Frameworks and Tools: AWS, Azure, PyTorch, TensorFlow, Flask, Django
Cloud Platforms: AWS Cloud Foundations, Azure Data Services
Database Management: SQL, MongoDB
AI/ML: Data Analysis, Predictive Modeling, Machine Learning Frameworks
IoT: Wireless Computing, Cloud Integration, Prototyping
Project Management Tools: Git, Jira, Microsoft Office Suite

Certifications

• AWS Academy Graduate - AWS Academy Data Engineering (Sep 2024)

• Microsoft Certified: Azure AI Fundamentals (Aug 2023 – Jun 2025)

• Python Full Stack Developer - EduSkills Foundation (Dec 2024)

• AWS Academy Graduate - AWS Academy Machine Learning Foundations (Feb 2024)

• Microsoft Certified: Azure Data Scientist Associate (Jun 2024 – Jun 2025)

• C++ Basics and Iteration - Coursera (Aug 2022)

• IoT (Internet of Things) Wireless & Cloud Computing - Coursera (Mar 2024)

• Data Base Management System - NPTEL (May 2024)

• Networking Basics - Cisco (Oct 2024)

• AWS Cloud Practitioner Essentials - Coursera (Jan 2024)

Projects

• Formula 1 Race Winner Prediction: Developed an AI/ML model using Python to predict race outcomes.

• Full Stack Travel Website: Built a travel and tourism website with an integrated chatbot for assistance.

• IoT Prototypes: Designed IoT-based solutions integrating wireless cloud computing technologies.

• Hackathons: Participated in multiple hackathons, showcasing innovative AI and full-stack solutions.