

SHRINIDHI SIVAKUMAR

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EDUCATION

Sri Krishna College of Engineering and Technology, Coimbatore, India

Expected Apr 2024

Bachelor of Engineering, Computer Science and Engineering

- **Relevant Coursework:** Artificial Intelligence, Design and Analysis of Algorithms, Data Structures, Human Computer Interaction, DBMS, Object Oriented Programming, Information Retrieval, Open Source Systems, Software Engineering
- **Certifications:** Python for Data Science, Machine Learning & Image processing Onramp, Ethics in Engineering Practice

SKILLS

- Programming Languages - Java, Python, C, C++
- Web Technologies - PHP, JavaScript, HTML5, CSS3, XML, Node.js, Django, Android
- Database Systems - MongoDB, MySQL, SQL, MS Access, NoSQL
- Operating Systems - Linux, Windows, Ubuntu
- Tools - AWS Lambda, Apache Solr, Matlab, Google Cloud Platform, Android Studio, Microsoft Visual Studio

EXPERIENCE

Python Developer Intern at Jnet Technologies., Coimbatore, India

Jun 2023 – Aug 2023

- Created and managed a Python application - Digital Marketplace Platform, employing Flask and Django
- Constructed a RESTful API using Python in conjunction with Flask

Full Stack Developer Intern at Gateway Software Solutions., Coimbatore, India

Jul 2022 – Sep 2022

- Developed a full-stack web application which processed, analyzed, and rendered data visually
- Managed time-sensitive updates involving content changes and database enhancements

PROJECTS

Digital Marketplace Platform (HTML, CSS, Python, Django)

Aug 2023

- Designed a responsive web app with user authentication, order processing, and real-time updates
- Handled request processing, model interaction, and response generation using Django Views and ORM

Social Media Application (HTML, CSS, Python, Node.js)

Sep 2022

- Built a responsive web application featuring photo, video, and GIF sharing
- Crafted web pages with responsive designs using HTML, CSS, JavaScript, Python, and Node.js

ACHIEVEMENTS

BEST PROJECT AWARD

Feb 2023

Predicting Submarine Block Conditions Using Machine Learning (Python, RNN, CNN)

- Trained on extensive datasets using Deep Neural Networks such as Convolutional Neural Networks (CNNs) and Recurrent Neural Networks (RNNs) for signal analysis and acoustic pattern recognition
- Employed Support Vector Machine (SVM) algorithm for precise automatic feature learning and classification

PAPER PRESENTATION

AI in Real-Time Crime Detection and Alert System

Oct 2023

- Automated real-time monitoring of CCTV footage to detect instances of violence and burglary
- Deployed the YOLO v8 model for object detection, and sent SMTP email notifications to the nearest police station

VOLUNTEERING

National Service Scheme (NSS)

Jun 2022 – Present

- Engaged in Clean India initiatives, including clean-up drives, planting saplings, and organized waste management awareness campaigns

Lions Clubs International (Teaching Assistant)

Oct 2022 – Mar 2023

- Volunteered to teach C, C++, and HTML as part of "Coding Education for Underprivileged Students" at local schools

EXTRA CURRICULAR ACTIVITIES

Student Ambassador at MastersBuddy

Sep 2023

- Organized seminars and campaigns to advocate the importance of pursuing Higher Education