

ASHWIN SHENOLIKAR

☎ +01 (703) 762-6315 ✉ ashwinshenolikar@gmail.com 🔗 ashwinrs07 📧 AshwinRS07

OBJECTIVE

A curious and motivated individual pursuing a Master's degree looking for entry-level SDE roles where I can utilize my knowledge to contribute to the company's success while also gaining meaningful experience. Specialized in Software Development and experienced with latest technologies such as Python, Java, SQL, Git, etc with excellent written and verbal communication skills.

EDUCATION

Virginia Polytechnic Institute and State University **08/2021 - Present**
Master of Engineering - Computer Science and Applications *Virginia, USA*

- **Assistant at Innovation Campus(01/2022 - Present):** Working as office assistant for daily activities and coordinating events.
- **Coursework:** Software Engineering, Web Application Development, Mobile Application Development, Intro to Deep Learning, Advanced ML, Intro to AI, Fundamentals of Information Security.

University of Mumbai-A.P. Shah Institute of Technology **08/2016 - 11/2020**
Bachelor of Engineering - Computer Science and Engineering *Thane, India*

- **CS Club Secretary(2018-2020):** Executed strategies for technical and non-technical events; managed engagement between students and faculty.
- **Relevant Coursework:** ML,AI,NLP,DBMS,OOP, Data Warehousing & Mining, Data Structures, Advanced Algorithms, Big Data & Analytics, Computer Networks, Project Management.

RELEVANT PROJECTS

Movie Reservation | Java, MySQL, JDBC, AWT

- Designed and deployed movie seat reservation system using Java and JDBC in agile environment in a 2-person collaboration.
- Implemented user experience focused features including account creation, User Interface to check previous and current bookings, validation of payments and exception handling for double booking.

Code Summarization | BERT,Python-PyTorch, Google Colab

- Used Huggingface libraries to existing natural Language tasks in software engineering.
- Built upon pre-trained CodeBert model to summarize given code snippets for improved legibility.

Music Genre Classification | Python, Keras/Tensorflow, Librosa

- Studied raw song/music track data in context of training machine learning models; Librosa library specifically was utilized to work with audio data under guidance of Prof. Joseph Wang.
- Processed data to generate Mel Frequency Cepstral Coefficients(MFCCs) and spectrograms to feed 3 ML models.
- Achieved best accuracy of **86%** with LSTM architecture.

Vehicle Classification | Numberplate Detection | Python, NLTK, CNN - YOLOv3, OpenCV

- Led 2 colleagues to categorize objects as pedestrians or vehicles classified as light, heavy, and two wheelers leveraging YOLOv3 and UA-DETRAC suite in an Agile framework under mentoring of Prof. Amol Kalugade leading a team of 3 members.
- Extracted and recognized number plates of extracted vehicles from previous stage to fine offenders.
- Documented each phase of the development life cycle in detail- including project proposals and scope negotiation, as part of capstone project for Bachelor's Degree.

Parking and EV Charging Station Analysis | Python, sklearn, matplotlib, GeoPy, Folium, NetworkX

- Learned and worked on geotagged data of parking spots and EV Charging Stations in Washington D.C. area to analyze space inefficiency by performing data visualization.
- Analyzed data of mentioned 2 categories for clustering to determine redundancies in the planning of EV charging stations.

EXPERIENCE

Nucsoft **06/2019 - 07/2019**
Summer Intern *Mumbai, India*

- Brainstormed to design an IoT application to regulate and optimize HVAC unit energy consumption of company office using **C++** and **Javascript**.
- Utilized an **ESP8266** module, **NodeMCU**, IR blasters to add automation and central web server control functionalities.

TECHNICAL SKILLS

Languages/Data: Proficient: Python,C | Familiar: Java,C++,C#,MATLAB, R, Kotlin, Shell | Data: MySQL, MongoDB

Developer Tools: GCP, AWS, VS Code,IntelliJ,Google Colab,Jupyter,Android Studio,Unity,Latex,Tableau, CUDA

Technologies/Frameworks:Windows,Linux,Git,Docker,Tensorflow,PyTorch,Django,HuggingFace,Apache Tomcat,matplotlib,pandas,SKlearn

Web:HTML/CSS,PHP,JS,Node.js,React.js, JSP, jQuery

CERTIFICATIONS

- Deep Learning Specialization
- Machine Learning
- IBM: Data Science
- Reinforcement Learning
- Advanced Java
- Intro to IOT
- Google Cloud Infrastructure
- Tableau
- Arduino and C