HEMAPRIYA VINAYAGAM

CONTACT

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- 🌐 | Portfolio | Github | Linkedin

SKILLS

- **Programming Languages :**
  Python, Java , Javascript , SQL , HTML , CSS
- **Business Intelligence:**
  Excel, MS Office, Git, Power BI
- **Tools & Methodologies :**
  Networking , IoT, Agile Scrum , Citrix , Selenium

CERTIFICATIONS

- **NETWORK INFRASTRUCTURE SECURITY**
- **AGILE SCRUM**
- **WEB TECHNOLOGY**
- **PYTHON PROGRAMMING**
- **JAVA PROGRAMMING**
- **EXCEL**

EDUCATION

MISRIMAL NAVAJEE MUNOTH JAIN ENGINEERING COLLEGE, CHENNAI
B.E. COMPUTER SCIENCE ENGINEERING
2020-2024 |8.80 CGPA | 88% [First class with Distinction]

INFANT JESUS MATRIC HIGHER SECONDARY SCHOOL , CHENNAI
Class X- State Board | 2018 | 83.6%
Class XII- State Board | 2020 | 69.5%

PROFESSIONAL EXPERIENCE

Tech Mahindra | Associate Technical Support (Nov 2024 – Present)

Network Infrastructure Planner

Responsible for designing and optimizing fiber and civil network infrastructure using Orion, NetDesign, and Piper tools.
Key tasks include fiber and civil work planning, importing and verifying network plans, and ensuring Network Address Association (NAA) for equipment. Collaborates with cross-functional teams to optimize cost, performance and compliance with industry standards.
Applied strong network planning, infrastructure design, problem-solving, and communication skills to deliver high-quality solutions.

Finari Services Pvt. Ltd. | Automation Testing - Training

Designed and executed test cases for both Manual and Automation testing.
Performed UI automation using Selenium WebDriver to validate application functionality.
Conducted API testing using Postman to verify request/response workflows and system reliability.
Collaborated with the development team to identify defects, reproduce issues, and ensure quality improvements.

PROJECTS

Driver Drowsiness Detection
Technologies: Machine Learning, Flask, IoT

- Developed a machine learning system that utilizes facial landmarks to detect driver drowsiness, enhancing road safety.
- Integrated Python-based algorithms for real-time analysis and IoT devices for automated alerts and response actions.

Medical Insurance Cost Prediction
Technologies: Machine Learning (Linear Regression, Random Forest), Python

- Built a predictive model to estimate medical insurance costs, aiding in financial transparency and planning for healthcare providers.
- Utilized Python libraries such as pandas, scikit-learn, and seaborn for data processing and model development.

PATTATHARI | Web Application
Technologies: HTML, CSS, JavaScript, Java, MySQL

- Created a web application designed to help engineering students efficiently track and manage their academic performance by storing and calculating CGPA and GPA.
- Built both front-end and back-end components, delivering a seamless user experience and ensuring reliable data management.