Vinoth Kumar V

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EDUCATION

SRM University	Tamil Nadu, India	Jun 2019 – Jul 2023

- **Bachelor of Technology (B.Tech in Computer Science and Engineering), GPA: 9.19** 🔗
- **Graduate Coursework:** Object Oriented programming, Database Management Concepts and Systems, Computer Networking, Data Structures and Algorithms, Operating Systems, Soft skills.

WORK EXPERIENCE

Algorithm Developer Intern 🔗	Shensu AI Technologies Pvt Ltd, Noida	Feb 2023 - May 2023

- Collaborated with a **team of 6 members** to **design, develop, and deploy trading algorithms using Python**.
- Engaged in the complete SDLC, encompassing **business logic** and conducting **code reviews** with company leadership.
- Improved operational efficiency, **reducing costs by 31% through automation**.
- **Documented** algorithm development processes and maintained code repositories using **Git**.
- Deployed and managed trading applications on **AWS EC2 instances**.
- Implemented **AWS S3 buckets** for secure storage and retrieval of data for data engineering purposes.
- Applied **data engineering techniques to generate trade logs** for multiple algorithms, **assessing performance and identifying potential risks**.

Product and Engineering Intern 🔗	HighRadius Corporation, Hyderabad	Jan 2022 - Apr 2022

- Engineered a **Machine Learning Pipeline** integrating the **XGBoost regression** algorithm for precise prediction of **payment clearance dates**, achieving an accuracy of **79.5%**.
- Contributed to discussions on **code implementation, frameworks, and databases in Scrum meetings**.
- Engineered a **full-stack invoice management system** using **React.js**, **Material-UI** for the **user interface**.
- Implemented **Apache Tomcat's servlet** container for responsive **Client-Server Communication** and utilized **JDBC for database connectivity**.
- Utilized **MySQL** for efficient data storage.

LANGUAGES

- (Proficient): Python, SQL-RDBMS (Strong knowledge): HTML, CSS, JavaScript, Java.

TECHNOLOGIES

- React, MySql, AWS EC2, AWS S3, MongoDB - NoSQL, Github, Bootstrap, Postman, Version control, Apache Tomcat, JDBC - Java Database Connectivity, SqlYOG, Jupyter Notebook, Rest API with Flask.

TECHNICAL EXPERIENCE

- **Weather Application - React.js (Sep 2023):** Key modules included a **Search feature** to obtain location coordinates, **API handling** for weather data retrieval, and **Rendering components** for dynamic content display.
- **Portfolio Landing page (July 2022):** Employed **HTML** for **structural design**, **CSS** for **visual elements**, and **JavaScript** for interactive user experiences, **tracking interactions, and dynamically updating elements**.
- **Internship project : Full Stack Invoice Management Application (Apr 2022): Three key modules** were developed: one focused on creating a **robust ML model**, another on constructing an interactive **user dashboard**, and the third on building a robust **backend system to manage data and handle requests**.

CERTIFICATIONS AND COURSES

- **Java Script** - SRM AXIS INTELLECTS (INDIA) PRIVATE LIMITED 🔗
- **Microsoft Azure Data Fundamentals (DP-900)** - Microsoft 🔗
- **Microsoft Power BI Data Analyst** - ICT Academy 🔗
- **Machine Learning and Big Data, and Data Science using Python** - Prag Robotics 🔗

HONORS AND AWARDS

Vel Tech University	OPEN INNOVATION CHALLENGE	Oct 2021

- **Awarded 3rd place in the 'Open Innovation Challenge' organized by Vel Tech University** 🔗
- **Project**: **Developed touch-free, water-conserving flush system** for public restrooms using **HCSR04** ultrasonic sensor. Easy implementation in existing facilities.