Ramya Sri Achanta

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🌐 https://ramyaachanta.github.io/Portfolio

Summary

Aspiring Software Intern with a strong foundation in AI/ML and full-stack development, pursuing a Master's in Computer Science. Experience as a Teaching Assistant in Machine Learning has strengthened the ability to convey complex concepts effectively. Contributed to AI-driven projects and codebase migrations, showcasing adaptability and technical expertise. Skilled in Python, TensorFlow, React.js, and PostgreSQL, with hands-on experience in database optimization and model evaluation. Eager to apply academic knowledge and practical skills to contribute to innovative software projects.

Skills

- **Computer**: Microsoft Office (Word, Excel, PowerPoint), Adobe Suite, Selenium, Visual Studio, PyCharm, Anaconda, GitHub, CAD Software, Web Development
- **Programming Languages**: Java, Python, JavaScript, GoLang, UNIX, Node.js, C++, Objective-C
- **Frontend**: HTML, CSS, Tailwind CSS, React.js, Angular, Node.js, Next.js
- **Backend**: Django, .Net, Kotlin, Java, Golang
- **Databases**: MySQL, PostgreSQL, MongoDB, SQLite
- **Soft Skills**: Customer Relationship Management (CRM), Strong Communication Skills, Problem Solving
- **Software Development**: Object-Oriented Analysis, Larger-scale Software Projects, Software Development Methodologies
- **Machine Learning & AI**: Supervised & Unsupervised Learning, Machine Learning, Model Training, Evaluation & Optimization, Natural Language Processing (NLP), Scikit-learn, NumPy, Pandas, Matplotlib, Neural Networks
- **Cloud Technologies**: AWS (EC2, S3, Lambda, RDS), Google Cloud Platform (GCP), Microsoft Azure, Docker, CI/CD Pipelines, Jenkins

Experience

University of Houston-Clear Lake | *Teaching Assistant*   **Aug 2024 - Present**
- Assisted students in Machine Learning, Database Development, and Programming Languages, providing hands-on support in Python (Scikit-learn, TensorFlow), MySQL, PostgreSQL, and compiler theory, enhancing their technical skills and project success.

Radar Ventures Private Limited | *Software Development Engineer - I*   **Sep 2022 - Dec 2023**
- Designed and enforced reusable, Dynamic web components and key service modules, improving overall user experience and functionality.
- Led the migration of the codebase across different versions of Next.js, ensuring smooth transitions and enhanced performance.
- Developed and maintained multiple microservices, including document generation services using Kotlin, developed for scalability, with RESTful and gRPC-enabled services.
- Applied multi-tenancy and access control mechanisms, enhancing product security and enabling user-specific functionalities with isolation between tenants.

PricewaterhouseCoopers India (PwC) | *Intern - Risk Advisory*   **Jan 2022 - Jul 2022**
- Tested a German client's risk and data analysis tool, documented bugs, and developed Python automation scripts for DevSecOps.
- Developed cybersecurity-related tools using Docker to enhance system security, resulting in improved protection against potential threats

Microsoft India (R&D) Pvt Ltd | *Intern - Software Engineer*   **Jun 2021 - Aug 2021**
- Contributed to the 'Show Changes' functionality in Excel Online by developing the frontend using React.js, enhancing user experience and interface responsiveness

Education

University of Houston-Clear Lake   **Jan 2024 - Present**
Master's Degree, Computer Science (GPA: 3.71/4.0)
- **Coursework:** Database Management System, Concurrent Programming and Software modelling, Internet Protocols, Modern Software Development, Machine Learning, Artificial Intelligence

Amrita Viswa Vidyapeetham   **Jul 2018 - May 2022**
Bachelor's Degree, Computer Science and Engineering (GPA: 7.63/10.0)
- **Coursework:** Web Development, Open-Source Software Engineering, Cloud Computing, Object-oriented Design, Computer Networks, Unix Tools and Scripting, Big Data

Projects

University Course Portal   **Feb 2024 - May 2024**
- Created and implemented a web application using HTML, CSS, Django, and PostgreSQL, enabling efficient course registration, assignment submissions, quizzes, and access to course materials and grades.
- Designed, Planned and modeled backend objects to ensure smooth data handling and user interaction within the application.

Quiz App   **Jan 2021 - Jun 2021**
- Developed an online quiz platform using Flutter, Node.js, MongoDB, and Docker, integrating static code analysis (SonarQube), HTTP testing (Postman), and deployment automation (Jenkins, Jira) to enhance code quality, testing efficiency, and CI/CD workflows.