Pavnit Sethi
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EXPERIENCE

Software Engineer   San Ramon, CA
Robert Half   September 2023 - June 2024
- Acted as one of the main backend engineers to build a AI-powered web application, leveraging Angular, Typescript, and .NET, in order to improve employee productivity by 80%.
- Guided and mentored three new interns on the .NET framework, successfully leading them in creating APIs for their intern projects.
- Wrote C# script to build an Azure Vector Search Index populated with data grabbed from CosmosDb Container.

Data Engineer Intern   San Ramon, CA
Robert Half   June 2023 - August 2023
- Developed a Python script to consume data from an Azure Cosmos DB resource, processing and feeding it to the GPT-3 model to generate detailed employee biographies.
- Leveraged Pandas to analyze data and extract highlightable qualities, increasing data accuracy by 40%.
- Automated the creation of PowerPoint slides featuring employee resumes with queried data and AI-generated biographies, saving employees numerous hours of manual work.

PROJECTS

Task-Manager Application   May 2024
- Designed and developed a robust Task-Manager web application using HTML, CSS, and Vue.js, improving task management efficiency by 40%.
- Leveraged the Py4Web framework to create efficient API endpoints
- Implemented advanced security features, including user authentication and data encryption

Tic-Tac-Toe Bot   June 2023
- Developed a highly efficient Tic-Tac-Toe bot using the Minimax Algorithm, achieving a 100% win rate or draw in all test scenarios.
- Engineered the web application with HTML, Bulma CSS, and JavaScript, optimizing the bot's move calculation.
- Applied advanced responsive design techniques, ensuring flawless functionality across various screen sizes

EDUCATION

University of California, Santa Cruz   Santa Cruz, CA
Bachelor of Science   June 2024
Major in Information Systems; Minors in Computer Science
Cumulative GPA: 3.90/4.0; Cum Laude
Relevant Coursework: Database Management; Object Oriented Programming, C/C++ Programming; Data Structures and Algorithms; Artificial Intelligence, Operating Systems, Web applications

SKILLS

Programming Languages: Python (Advanced), C# (Intermediate) , C++ (Intermediate), JavaScript (Intermediate), SQL (Advanced)
Web Technologies: HTML, CSS, React.js, Node.js, Vue.js, .NET, Angular, RESTful APIs, JSON
Databases & Cloud: MySQL, PostgreSQL, MongoDB, Microsoft Azure, Microsoft SQL Server
Tools & Platforms: Git, Agile Methodology, Scrum