

Pavan Kovvuru

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Full stack developer with extensive experience in developing multiple types of applications in numerous sectors by utilizing various combinations of technologies like react.js, React Native, and .Net frameworks. With experience in AI integration.

EDUCATION

Concordia University of Edmonton

Edmonton, Alberta

B.S. in Information Technology

Sep 2024

- **Concentrations:** Information Technology
- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Cyber Security, Networking, Statistics & Applications

EXPERIENCE

PanicDevs.com

Vancouver, BC

Full Stack Engineer

Jan 2024 – Present

- Created Node.js scripts to construct a robust and secure personal loan system application backend.
- Developed a complete backend architecture in express.js for a medical application system.
- Utilized various .Net frameworks such as ASP.NET Core MVC, gRPC, Serilog, and Redux.net to develop a cross platform student planner with smart scheduling and real time sync.

Concordia University of Edmonton

Edmonton, Alberta

Research Assistant

Mar 2024 – Aug 2024

- Utilized python to automate data preprocessing for AI model training, improving detection accuracy by 15%.
- Integrated Novel Malicious URL Detection framework with existing data scraping functionality to test the accuracy of the framework.

TensorHub Solutions Inc. & Concordia University of Edmonton

Edmonton, Alberta

Application Development Intern

Apr 2024 – June 2024

- Developed various aspects of an AI based application aimed at assisting disabled students like AI chatbot, paper summarizer, task tracker and forums. Implemented in React Native.
- Enhanced the state management and API callbacks, improving the data retention speed 70%.
- Developed and implemented the user interface on React.js, Django, and jest to track the performance of the application.

PROJECTS

AI Financial Advisor

- Created a cross platform application for providing personalized financial tips with AI integration.
- Trained a machine learning mathematical model with the latest financial insights.
- Developed using React frameworks like react native, next.js, bootstrap, and node.js for fluid and effective user interaction.

Virtualized Medical System

- Created a medical application system to virtualize some aspects of patient-doctor interactions.
- Implemented by utilizing react.js and the corresponding technologies like node.js and firebase.
- Tested through a local clinic to ensure the effectiveness of virtualizing the medical information system.

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, SQL, Node.js, Express.js, Next.js, React.js, React Native, Angular, REST API, C++, C#, Swift (iOS), .NET, gRPC, Serilog, MVC Architecture, Redux, Redux.net, Jest, Mocha

Tools: Android Studio, IntelliJ, PyCharm, Eclipse, AWS, Jupyter Notebooks, Git, Bootstrap, Spring Boot, Agile, Azure Functions, Azure Blob Storage, TensorFlow, Visual Studio, CUDA

Soft Skills: Problem-solving, Communication, Teamwork, Creativity.