PRABHNOOR SINGH

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Education

University of Windsor — **Windsor, Ontario**
Master of Applied Computing — *May 2023 – Present*
- **Available for 4 or 8 months internship starting in May 2024**

Guru Nanak Dev University — **Amritsar, Punjab**
Bachelor of Technology, Computer Science and Engineering — *July 2018 – May 2022*

Work Experience

Amdocs Software Systems Ltd. — **Aug 2022 – March 2023**
Associate Software Engineer — *Gurugram, India*
- Managed a **SaaS CRM application** for Airtel telecommunications; responsible for handling data of over 100k users.
- Engaged in **Agile/Scrum** Software development cycle, participating in sprint planning and daily stand-up meetings.
- Developed **Linux scripts** while in a **cross-functional** team in order to achieve **automation** in **CI/CD pipelines**, loading **shell scripts**, executing **unit test cases in C** and **debugging** any issues.
- Utilized virtualization technologies using **AWS, Docker and Kubernetes** to enhance the **system design** for scalability and resource utilization along with creating **user documentations** for better readability.

Kalam Solutions Pvt Ltd. — **June 2022 – Aug 2022**
Front End Developer Intern — *Haryana, India*
- Applied **React JS** and **MVC architecture** to enhance the **User Interface** of an Ed-tech platform within a multi-tiered architecture, ensuring efficient data flow and scalability.
- Implemented **REST** and **SOAP API calls** to facilitate seamless data exchange between the front end and database.
- Deployed **JIRA** as a **project management** tool and **Git** for **source control** and collaboration throughout the team.

Photoshooto Pvt Ltd. — **May 2022 – July 2022**
Data Analytics Intern — *Karnataka, India*
- Evaluated large datasets using **Machine learning models** and derived **valuable insights** to manage client requests.
- Performed analytic tasks with **Python** and **MS Excel** along with **Tableau** to **visualize** the data findings.
- Developed and validated current processes, constructing future-focused road maps alongside **business partners**.

Projects

Used Car Price Prediction (Group Project) | *React, Python, MongoDB, Git, Jenkins* — **Nov 2023 - Dec 2023**
- Led a team of **4** in developing a **dynamic** web application, designed to let the users **predict car prices** efficiently.
- Created a **Python Web Scraper** to extract relevant data from multiple car websites, subsequently applying a **neural network model** to accurately predict car prices based on collected data..
- Leveraged **React** for UI, employed **Python FastAPI** to build the **RESTful API**, and **Model-View-Controller (MVC)** design pattern to facilitate development of a robust and maintainable application.

Bike Store Web API (Group Project) | *C#, MySQL, RabbitMQ, NUnit* — **Aug 2023 - Sept 2023**
- Led a team of 3 members to devise a **web-based API** in **C#** that replicates Bike store operations for the users.
- Utilized **JUnit** to automate the **Regression and Unit Testing** to ensure **reliability** and **functionality** of API.
- Applied practical **SQL** and **MS-SQL Server** skills to enhance **database queries** for seamless **data integration**.

School Scout (Individual Project) | *MongoDB, Express.JS, React.JS, Node.JS (MERN)* — **July 2023 - Aug 2023**
- Built a **Cross-Functional full stack desktop application** deployed for maintaining students data in database.
- Leveraged **MERN** stack to support efficient storage and retrieval of data with interactive UI using **React JS**.
- Utilized **Selenium** as a testing tool, to automate **test-driven development(TDD)** of the project.
- Facilitated in processing and sorting, **reducing 75%** of manual work of searching and checking student data.

Technical Skills

Languages: Python, Java, C/C++, Visual Basics, C#, HTML/CSS, JavaScript
Databases: MS SQL Server, MongoDB, Firebase
Operating Systems: Windows, Mac OS, QNX, Unix, Linux
Frameworks: React JS, Angular JS, .NET
Developer Tools: MS Office, Confluence, Power BI, Tableau, Jenkins, Jira, Docker, Github
Soft skills: Problem solving, Teamwork, Project Management, Communication, Creativity, Organization