Akash Rana

Full Stack Developer • Kitchener, ON • +1(807) 357-2662
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Versatile Full Stack Developer with 3 years of Work experience, specializing in Angular, Python and WordPress. Proven track record in leading development projects to successful completion, enhancing user interfaces, and boosting team performance. Quick to adapt and advance in dynamic environments, with a strong focus on innovative solutions and efficient project delivery. Eager to contribute my technical expertise and collaborative spirit to a dynamic team, driving excellence in web development and Machine Learning.

WORK EXPERIENCE

GAOTek INC., Toronto

WordPress Team Lead   03/2024 - 06/2024

- Elevated team productivity by 30% through leadership and strategic project management, directly contributing to a 20% increase in client satisfaction and retention.

Sai Art Designing, Surat

FrontEnd Developer   08/2023 - 03/2024

- Led the development of an online portfolio platform using Angular, attracting 500+ daily users and enhancing designer visibility by 40%.

SRKAY Consulting Group - SCIKEY, Surat

Angular Developer   05/2022 - 08/2023

- Spearheaded development on a project that generated $50 million in revenue, significantly enhancing user engagement by 15% and reducing page load times by 25%, showcasing my Angular expertise in high-stakes environments.

SRKAY Consulting Group - SCIKEY, Surat

Full Stack Intern   01/2022 - 05/2022

- Accelerated development workflows by mastering full-stack technologies and DevOps practices, enhancing project delivery by 20% and significantly boosting user engagement through a custom-engineered API.

Zujo Tech PVT. LTD., Surat

Full Stack Machine Learning Intern   05/2021 - 06/2021

- Advanced healthcare diagnostics by developing a predictive Machine Learning model for diabetes in pregnancy, showcasing the transformative potential of AI in early detection and intervention strategies.

EDUCATION

- Master of Science in Computer Science,
  Graduation Year (2024)
  Lakehead University, Thunder Bay, ON, Canada.

- Bachelor of Engineering in Computer Science and Engineering,
  Graduation Year (2022)
  Gujarat Technological University, Bardoli, Gujarat, India.

SKILLS

- Languages & Frameworks: Angular, JavaScript(ES6+), TypeScript, Python, WordPress, HTML5, CSS3, Bootstrap, Angular Material, C, C++, NgRx, RxJS
- Version Control & CI/CD: Git, Jenkins, Gitlab, Github
- Project Management: Jira, SCRUM
- Back-End & Database Management: SQL,Node.js, SQL Server, REST APIs, MongoDB
- Operating System: Linux, Windows, iOS, Android

PROJECT

Skin Cancer Detection Using Machine Learning
09/2023 - 12/2023

- Developed a machine learning model to detect skin cancer from images using Convolutional Neural Networks (CNN).
- Achieved an accuracy of 85% by training on a dataset of labeled skin lesion images.
- **Technologies**: Python, TensorFlow, Keras, OpenCV, CNN.

HCIS – Human Capital Information System
01/2022 - 08/2023

- Developed a system for 5000 employees and HR to manage employee records, pay slips, leave, and surveys. Key features included **Broadcast** (mass notifications), **Survey** (feedback collection), **Leave Management**, and **Payslip** (pay stub access).
- Designed a hierarchical **tree structure** allowing company owners full access, with permissions scaling down for lower-level employees.
- **Technologies**: Angular, Node.js, MySQL, NgRx, RxJS, RESTful APIs, Bootstrap, IGX Grid, Bootstrap**,** Angular Material.
- Improved HR efficiency by automating processes and enhancing UI, leading to a 25% reduction in employee inquiries

GMS – Grading Management System
08/2022 - 03/2023

- Responsibilities: Maintained the user interface and managed multiple interactive windows, including the **Grading View** for diamond grading, the **3D Shape Window** allowing customers to virtually view diamonds in 3D with all relevant details, and the Customer Purchase Window for viewing comprehensive statistics of customer purchases.
- Technologies: Angular, HTML5, CSS3, JavaScript, TypeScript, Node.js (for API integration), and Bootstrap**,** Angular Material.
- Key Achievements: Improved the user experience by ensuring seamless navigation across multiple views, enhancing data visualization for customer purchases, and providing a highly interactive 3D diamond viewing feature that contributed to a 20% increase in user engagement.

Diabetes Prediction for Pregnant Women Using Machine Learning
03/2021 - 06/2021

- Developed a machine learning model using XGBoost and Random Forest to predict gestational diabetes with a **74.35%** success rate.
- Analysed key body parameters such as BMI, insulin levels, and skin thickness to enhance early diagnosis.
- **Technologies**: Python, XGBoost, Random Forest, Pandas, Scikit-learn.