Mirul Khanal | CV

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Portfolio: Mirulkhanal.com.np
Repository: https://github.com/mirulkhanal

Profile

I am a highly motivated full stack MERN developer with 3 years of experience and currently pursuing a bachelor's degree in Computer Science from NAMI College, Jorpati. I am proficient in JavaScript, React, Node.js, Express, MongoDB, and other technologies in the MERN stack. I also possess skills regarding building and deploying full-scale web applications. I would like to consider myself as a problem-solver with excellent communication skills

Skills & Abilities

1. Proficient in JavaScript, React, Redux, Node.js, Express, TypeScript, NextJs/12, GraphQL, Apolloserver@v4, SocketIO and PrismaORM.

2. Proficient in foundational web technologies like CSS3, HTML5, JavaScript ECMA6+ and PHP (Laravel)
3. Basic understanding of System level languages like C++, C# and Java
4. Basic understanding of mobile app development using Android Studio (Java)
5. Proficient in **React native** for mobile app development
6. Machine Learning, Data Science, Deep Learning, CNNs and DNNs using Python, Numpy, Pandas, seaborn, matplotlib, ScikitLearn, PyTorch, TensorFlow and Keras.
7. Experience with regression problems (Linear and Logistic), classification problems (Binary, Multi-Class Classification) and supervised learning.
8. Basic understanding of image manipulation using OpenCV with python wrapper.
9. Basic understanding of AWS S3 buckets.

10. Experience with version control systems (Git with GitHub).

11. Strong problem-solving and communication skills.

12. Ability to work well in a team environment.

13. Familiarity with agile development methodologies, such as Scrum and Kanban and experience with project management tools such as JIRA and Trello.

14. Experience with test-driven development and unit testing frameworks.

15. Proficient in database management systems, including MySQL, PostgreSQL, MongoDB, Firebase, and Firestore.

16. Experience designing and implementing database structures and optimizing queries for performance.

17. Familiarity with database security best practices and experience with database backups and recovery.

18. Experience with front-end libraries and frameworks such as Bootstrap, Material-UI, ChakraUI, TailwindCss etc.

Experience

Intern — Macquarie Group   2017 − 2018

1. Completed an internship at Macquarie Bank as part of the Macquarie Group Holdings, where I worked on a fraud detection system using Python, Tensorflow, and Keras.

2. Utilized machine learning techniques, including fine-tuning pre-trained models and implementing new algorithms, to improve the accuracy of the system.

3. Demonstrated strong problem-solving and analytical skills while working on this project.

4. Contributed to the success of the fraud detection system through my efforts and participation in the development process.

Fullstack Developer (Web + Mobile) — (2020 - 2022) — TechTemple IT Solutions (Butwal, Nepal)

- Contributed to the development of several web and mobile applications, including GSAtHome (MERN stack), MedicosPDF (React Native), Doctor Story (Laravel + Blade), Waymandu (Laravel + ReactJS), and Bhumidev Furniture.

- Utilized a variety of technologies, including the MERN stack, React Native, Laravel, Blade, and ReactJS to build and maintain these applications.
- Worked closely with a team of developers to design and implement new features and functionality.

- Demonstrated strong problem-solving skills and the ability to work effectively in a team environment.

Chief Digital officer — (2021 - 2022) — TechTemple IT Solutions (Butwal, Nepal)

- Assumed responsibility for client outreach and project management within the company, working with colleagues to deliver scalable systems to organizations in Butwal.

- Acted as a system analyst, helping to manage monorepos, continuous integration, structural code, and testing.
- Demonstrated strong communication and interpersonal skills while working with clients and managing projects.

- Improved project efficiency and success through effective planning and management.

Education

A-Levels — Xavier International college, Kalopul (2012-2014)

I completed my A-levels in Science from Xavier international college. I received A grade for my project on a CMS system using Visual Basic .NET.

Bachelors in computer science (discontinued) (2016-2017)

1. Diploma in Computer Programming, Latrobe University, Sydney, June-July 2017
2. Awarded 50% Navitas Scholarship for graduating above 95% percentile
3. Completed coursework in database, critical thinking, Discrete math, Data science and developed strong programming skills through hands-on projects and assignments.
4. Demonstrated aptitude for computer programming and a strong work ethic through academic achievement.

Bachelors in computer science (Currently pursuing)

I was unable to complete the Bachelors program at the Latrobe University due to personal affairs and had to come back to Nepal in urgency. Since arriving in Nepal, I have rejoined a new Bachelors program at NAMI College, Jorpati in order to receive my Degree.

I am currently pursuing Computer Science Application, which includes courses like Web Development (php and web core), System development (Java, C++) and software development lifecycle in Agile methodology.

Communication

1. Strong verbal and written communication skills, with the ability to clearly articulate ideas and present information to a wide range of audiences.

2. Expert at effectively communicating with team members and clients, resulting in successful project outcomes.

3. Proven track record of building relationships with customers and colleagues through excellent communication and interpersonal skills.

4. Demonstrated ability to listen actively and ask clarifying questions to ensure understanding and facilitate productive discussions.

References:

Techtemple IT Solution: **Shashank Adhikari**

Latrobe University: **Mark Fox**