

Matina Shrestha

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SUMMARY

Software Engineer with experience in designing and building responsive, dynamic applications. Currently working on building consumer-facing web applications using the MERN Stack. Although I gravitate towards front-end development, I am well adept at backend as well. My goal is to leverage my technical skills, problem-solving abilities, and user-centric mindset to create exceptional user experiences.

SKILLS

Programming: JavaScript, Java, Python, C, C++, Typescript, Laravel

Framework: React.js, Node.js, WordPress, MVC, Tailwind CSS, Next.js

Cloud & Others: AWS, Azure, Docker, Kubernetes, REST API, GraphQL

Tools: VS code, Git, Slack, Figma, JIRA

Database: MongoDB, MySQL

Methodologies: Agile, Scrum

EXPERIENCE

Algorizin, Inc.

New York, NY

Software Developer

Aug 2022 - Present

- Designed and developed a [web app](#) that assists users with job readiness, interviews, and preparing from crowd sourced question bank; utilized *React.js* and *Tailwind CSS*
- Visualized insight about watch history of video contents; used *NodeJS* and *PostgreSQL* to track user activity and performing CRUD operations; utilized *REST APIs* in the backend
- Built an information collection page utilizing *React.js* to enhance user experience on the job application portal by enabling automatic population of application fields with user-provided data
- Customized a user dashboard where users can track their learning progress
- Collaborated with scrum master, product owner and developers in a cross-functional team; participated in scrum events such as *Daily Standups*, *Sprint Retrospective*, *Sprint Planning*

Lamar University

Beaumont, TX

Graduate Student Assistant

May 2021 - May 2022

- Assisted Pearson Vue with CLEP administration with checking examinees, maintaining, and upholding all test security and standards; aided a diverse population in accommodating their needs
- Facilitated a diverse population and accommodated their needs, scheduled examinations for candidates, provided fingerprinting appointments for specific candidates

Cloud Factory

Kathmandu, NP

Data Analyst

Jan 2019 - Dec 2019

- Accelerated the company's accuracy rate by 15% & reduced data processing times by almost 50% as measured by internal audits; implemented automation solutions in collaboration with cross-functional teams in an *agile* environment
- Acted as a part of virtual team to improve the performance of AI-powered checkout products in tracking individuals through a store and predicting which items they would pick

MicroBanker Nepal Pvt. Ltd.

Kathmandu, NP

Web Developer

Mar 2018 - Oct 2018

- Redesigned and maintained the Microbanker's website that provided detailed information about the company via *Bootstrap*, and *WordPress* as well as added security software, plugins, and contents
- Collaborated with the team on web development lifecycle (SDLC): from requirement gathering, through production releases, to creating websites for a satisfying user experience using *Laravel* with *MVC architecture*

ACADEMIC PROJECTS

Detecting the Pattern of Covid Waves

URL: [Covid-Pattern](#)

- Determined the factor that had the highest impact on patients with 83% accuracy through prediction by analyzing first three wave's data with the aid of *Python*, *Machine Learning algorithms* and *time-series* model

Simulating a Voting System

URL: [a-voting-system](#)

- Designed a voting system's functionality through a menu-driven interface with use-case-driven object-oriented approach and multiple databases to improve the experience of voters with the help of *Java*

EDUCATION

Lamar University

Beaumont, TX

Masters of Science in Computer Science

Aug 2020 - May 2022

- Recipient of Graduate Studies Competitive Scholarship
- Vice-President of Nepalese Student Association
- Member of Association for Computing Machinery
- Member of Asian Student Association