Ashok Rai

Full Stack Software Developer

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Summary

I am an enthusiastic, self-motivated, reliable, responsible and hard-working person. I am a mature team worker and adaptable to all challenging situations. I am able to work well both in a team environment as well as using own initiative. I am able to work well under pressure and adhere to strict deadlines.

Technical Skills

Languages and Scripts: Javascript, HTML5, CSS3, Python, PHP, C, C++
Frameworks and Libraries: Django, Flask, ReactJS, Redux, Node.js, Numpy, Panda, Plotly, Highcharts.js, Marterial CSS, Bootstrap
Database: MySql, Postgres
VCS: Git, Github, Gitlab
Collaboration: Slack, Zoom, Ms Teams
Methodology: Asana, Trello

Professional Experience

Software Developer, Ontreat Service Pvt Ltd.(September 2019 - Present)

- Work with the team of software engineers in the creation of high-quality software within agreed project deadlines.
- Design, build and maintain efficient, reusable, and reliable software
- Designing and developing business logic using REST APIs
- Implementing new software features and maintaining existing features
- Refactoring, debugging, testing and implementing changes to existing applications to meet project requirements

- **Projects**

- **Track Covid 19 [Frontend, Major Backend contribution]**
- **Health App [Full Frontend and Backend Contribution]**
- **DoggoDogChew [Frontend, Backend and Live Setup Contribution]**
- **Powrbot [Major Frontend and Backend with scrapping contribution]**

Role:

- Collaborating with team members to figure out efficient and scalable data models.
- Configuring and writing base code for front end and back end of the application.
- Developing front end of the application using HTML, CSS, JavaScript, Bootstrap.
- Developing back end of the application using Django, Mysql, Postgres.
- Working in sync with designers and team member to quickly release newer versions of the application.
- Research and implementation of newer features that improve the overall performance of the application along with developer friendly code.
- Deployment of latest build to development or production servers.

Cloud Worker, CloudFactory(December 2017 - August 2019)

Cloud Factory offers flexible, online work as well as an opporunity to positively impact your community while contributing to the global economy.

Role:

- Data extraction from images or documents.
- Audio Transcription
- Data Moderation
- Data Analysis

Education

Bachelor
Bachelor of Science in Computer Science and Information Technology, Prime College, Khusibu, Naya Bazar[2015-2020]

HSEB +2
+2 Science, Green Kantipur Higher Secondary School, Thulo Bharyang, Swoyambhu[2013-2015]

SLC
GeetaMata Higher Secondary School, Bijeshowri, Swoyambhu[2013]

Areas of interest

- **Secure Machine Learning:** Investigate ways to protect AI systems from adversarial attacks and ensure the robustness of machine learning models used in critical applications like cybersecurity.

- **AI-Driven Software Optimization:** Explore how machine learning can automate code optimization, improve performance, or predict and fix bugs. This combines software engineering with AI for smarter development tools.

- **Explainable AI (XAI):** Focus on making AI models more transparent and understandable, especially in deep learning. Research could involve developing techniques that help users interpret model decisions, crucial for fields like healthcare or finance.