MD AHAD ALI

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OBJECTIVE

To secure a challenging position in the field of computer science and technology, where I can contribute my expertise and continuously grow in responsibilities while advancing my career in this dynamic field.

EDUCATION

Yunnan University | Yunnan, China
Sep 2018 - Jun 2022

Bachelor of Engineering in Computer Science and Technology.

EXPERIENCE

Teaching Assistant | Yunnan University.
Aug 2020 – Jan 2022

- Conducted and supervised laboratory sessions for the course "Computer Organization and Architecture."
- Prepared classrooms for lessons, ensuring an optimal learning environment.
- Assisted with lectures, providing valuable insights and support to students.
- Analyzed student projects and results, contributing to the improvement of the learning process.
- Collaborated with teachers to develop effective learning activities and maintained accurate records.

TECHNICAL SKILLS

Languages: Python, C/C++, PostgreSQL, MySQL, MATLAB, Go, C#, PHP, TypeScript, HTML, Java, Dart.
Libraries & Frameworks: Django, Flask, FastAPI, Expressjs, Pandas, NumPy, PyTorch, Reactjs, HTMX, Flutter, Svelte, Laravel.
Tools: Docker, Kubernetes, Nginx, AWS, Google Cloud, Excel, Power BI, Tableau, Google Sheets, MongoDB, Apache Spark, Radis, CSS.
Other: Git, Computer Network, Jira, Agile methodology, Microservice, IT support, Linux administration

PROJECTS (more projects…)

BrainSpark | source-code

- Architected and developed a full-stack e-learning platform using Django, Python, and SQL, enabling course creation, enrollment, and video-based learning.
- Implemented secure user authentication and email verification using django-allauth, ensuring data privacy and user account security.
- Integrated Stripe payment gateway for seamless course purchases and instructor payouts, handling financial transactions securely.

LogisticsLink | [source-code](#)

- Designed and implemented a streamlined logistics platform to enhance connectivity and collaboration among stakeholders.
- Developed innovative solutions to optimize freight contract processes, improving efficiency and reducing overhead costs.
- Implemented features to simplify the interaction between logistics partners, enhancing communication and workflow management within the supply chain.

Atlas | [source-code](#)

- Developed Atlas, an advanced portfolio and risk management system inspired by BlackRock's Aladdin, utilizing Django, Python, PostgreSQL and AI integration to provide comprehensive financial insights and risk analysis..
- Implemented AI-powered risk assessment using Google's Gemini model, enabling automated analysis of complex financial data, generation of risk scores, and actionable recommendations for risk mitigation strategies.
- Designed and built an interactive risk management dashboard with real-time monitoring, risk heatmaps, and historical tracking, enhancing decision-making capabilities for financial portfolios and assets.

SysTermin | [source-code](#)

- Developed Opensource software, a feature-rich application with an intuitive GUI for managing port forwarding rules, real-time status updates, dynamic port management, detailed logging, and robust error handling.
- Integrated advanced terminal features including a file explorer, multi-cursor text editing, file viewer with syntax highlighting, SSH functionality, customizable themes and fonts, and command history with autocompletion.
- Utilized background threading for responsive performance, ensuring non-blocking operations and a seamless user experience.

AWARDS AND CERTIFICATIONS

- TAETEA International Student scholarship (2 times) | Yunnan Taetea Industry Group Co. Ltd. (oct 2021, may 2022).
- '12th National College Students E-commerce Innovation, Creativity and Entrepreneurship' third award | Yunnan University. (Jul 2021).
- The "China Bangladesh Express" - a China Bangladesh e-commerce system that integrates transportation and sales. | Yunnan University (May 2022).
- Intelligent Agricultural Equipment for Bangladesh and China's Yunnan Mountainous Areas" won the following awards in the 7th "Junfa Cup" Internet plus Undergraduate Innovation and Entrepreneurship Competition | Yunnan Province (Nov 2021).
- Teaching Assistant Certificate (Mar 2022).

LANGUAGE PROFICIENCY

- English (Advanced)
- Bangla (Advanced)
- Chinese (Intermediated)