AMEY TRIPATHI

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EDUCATION

Vellore Institute of Technology, Vellore — B.Tech, Computer Science (3rd Year) *September 2022 - PRESENT*
- Relevant Coursework: **Data Structures, Algorithms, Operating System, Machine Learning, Software Design, Front End, Back End Programming, Developing APIs, HTML, PHP, Javascript Frameworks, Web Architecture, Web Design**

TECHNICAL SKILL

- **Languages:** C++, Java, Python, C, C#, .NET, Javascript, Swift, Typescript, Ruby, Flutter
- **Frameworks/Tools:** React JS, Node.js, Next js, Firebase, Tailwind, JIRA, Git, REST APIs, Agile Methodologies
- **Cloud and CI/CD :** AWS (EC2, S3, DynamoDB), Google Cloud Platform, Docker, kubernetes, JIRA
- **Databases:** MongoDB, Postgres, MySQL, NoSQL
- **Operating Systems:** Proficient in Unix/Linux environment

PROJECTS

1. **FULL STACK BLOG APPLICATION | [*Github*](#)**
   - Architected a secure blogging system with Node.js and MongoDB; implemented robust security measures, reducing unauthorized access attempts by 50% and engaging over 4,500 active users.
   - Designed scalable RESTful APIs for CRUD operations, reducing latency by 30%.

2. **CHROME EXTENSION (FOR TIME TRACKING) | [*Github*](#)**
   - Built a Node.js backend to process and store user activity data in MongoDB, achieving 20% faster task tracking.

3. **E-COMMERCE SHIPPING PREDICTION USING MACHINE LEARNING | [*Github*](#)**
   - Achieved 95% accuracy in forecasting shipping times, enhancing logistical efficiencies for e-commerce platforms.
   - Deployed ML model as a Flask API on AWS EC2.

4. **AI RESUME BUILDER | [*Github*](#)**
   - Integrated Gemini API for real-time NLP processing and automated resume generation, handling 500+ concurrent requests.
   - Increased user engagement by 40% and subscription rates by 25% within six months post-launch.

INTERNSHIPS

1. Software Developer Intern, Fimitr | [*Certificate*](#) *May 2024 - July 2024*
- Engineered an agile, user-friendly web application using React JS and Tailwind CSS for real-time financial analytics; enhanced data accessibility for 100+ users, increasing decision-making efficiency by 35%.

2. Backend Developer Intern, Skilledity *Aug 2024 - Dec 2024*
- Implemented database solutions using Postgres, optimizing retrieval processes, which resulted in a 25% reduction. Assisted in the deployment of applications on AWS, ensuring scalability and reliability of services for over 200 active users.

CERTIFICATIONS

- Earned **Microsoft AI-900** certification, demonstrating proficiency in fundamental concepts of artificial intelligence and machine learning. [*Certificate*](#)
- Earned **AWS Solution Architect - Associate (SAA-C03)** certification, demonstrating expertise in designing scalable and reliable cloud solutions in Amazon Web Services (AWS).
- Secured a Top 5 position in the college-level hackathon "HackBattle," showcasing strategic thinking skills and technical expertise in a competitive environment. [*Github*](#) | [*Certificate*](#)
- **Inspect Rich Documents with Gemini Multimodality and Multimodal RAG** (Google Cloud Skills Boost) Issued July 2024. [*Certificate*](#)