

ERONICION PRESLEY

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EDUCATION

Northeastern University, Khoury College of Computer Science, Boston, MA

Sept 2024-Present

Master of Science, Computer Science

Relevant Courses: Programming Design Paradigm, Algorithms, Foundations in AI, ML Operations, Database Management

Loyola-ICAM College of Engineering and Technology, Chennai, India

Jun 2018-Jun 2022

Bachelor of Technology, Information Technology

Relevant Courses: Data Structures, Design and Analysis of Algorithms, Big Data Analytics, Computer Graphics and Multimedia, Web Technology, Computational Intelligence, Cryptography and Network Security

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL, C++, C, Golang

Frameworks & Libraries: React, Node.js, Spring Boot, Angular, Next.js, Express, Tailwind CSS

Databases: PostgreSQL, MySQL, MongoDB, Oracle

DevOps & Tools: AWS (EC2, S3, Lambda, Bedrock), Docker, Kubernetes, Jenkins, Git, GitHub Actions, CI/CD

AI & Data Tools: Pandas, NumPy, TensorFlow, Matplotlib, Hugging Face Transformers, LangChain.js, ServiceNow

Core Competencies: Modular System Design, Distributed Systems, Microservices, Cloud-Native Development, Agile/Scrum, SDLC

WORK EXPERIENCE

Capgemini, India

Oct 2022-Jun 2024

Software Analyst

- Automated enterprise ITSM workflows using JavaScript, Flow Designer, and REST APIs, improving service delivery speed by 30%.
- Integrated ServiceNow with Jira, SCCM, and Active Directory using REST/SOAP APIs, reducing manual errors.
- Implemented CI/CD pipelines and monitoring to enhance reliability, reduce downtime by 20%, and ensure continuous software delivery.

Pinaca Labs Pvt Limited, IIT Madras Research Park, Chennai

Dec 2021-Mar 2022

Machine Learning Engineer Intern

- Developed multilingual NLP pipelines using Transformer models, increasing translation accuracy and running time across languages.
- Evaluated model performance using BLEU and linguistic metrics, refining datasets and optimizing model scalability for production.
- Collaborated with senior ML engineers to enhance Transformer deployment workflows and integrate real-world data for model training.

PROJECTS

Academic Hub

Aug 2025-Sep 2025

- Developed a real-time academic system with React, Node.js, PostgreSQL, and Socket.io, supporting messaging and notifications.
- Designed secure backend APIs with JWT authentication and optimized schemas to ensure 99.9% uptime
- Delivered scalable collaboration features such as assignment posting, course channels, and scheduling tools

AI Image Generator

Jun 2025-July 2025

- Built and deployed a full-stack AI platform using React, Node.js/Express, MongoDB Atlas, and OpenAI API for text-to-image creation.
- Architected a scalable backend integrating cloud storage and AWS services, ensuring fast, reliability, and secure rendering at scale.
- Implemented CI/CD pipelines for automated testing and deployment, optimizing performance and reducing response latency by 25%.

F1 RAG Chatbot

Mar 2025-May 2025

- Created a responsive, context-aware chatbot using Next.js and TypeScript to deliver real-time Formula 1 insights.
- Implemented vector-based retrieval and generation pipelines with Pinecone and Weaviate, reducing query latency by 40%.
- Integrated AWS Bedrock for large language model processing and automated monitoring to ensure reliability under high user load.

CERTIFICATIONS

- ServiceNow Certified System Administrator:** Skilled in managing instances, workflows, and configurations with CSA + Vancouver Delta certifications.
- AWS Certified Solutions Architect – Associate:** Proven expertise in designing and deploying secure, scalable cloud systems