

ERONICTION PRESLEY

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EDUCATION

Northeastern University, Khoury College of Computer Science, Boston, MA Master of Science, Computer Science Relevant Courses: Programming Design Paradigm, Algorithms, Foundations in AI, ML Operations, Database Management	Sept 2024-Present
Loyola-ICAM College of Engineering and Technology, Chennai, India 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	Jun 2018-Jun 2022

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 Software Analyst <ul style="list-style-type: none">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.	Oct 2022-Jun 2024
Pinaca Labs Pvt Limited, IIT Madras Research Park, Chennai Machine Learning Engineer Intern <ul style="list-style-type: none">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.	Dec 2021-Mar 2022

PROJECTS

Academic Hub <ul style="list-style-type: none">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.	Aug 2025-Sep 2025
AI Image Generator <ul style="list-style-type: none">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%.	Jun 2025-July 2025
F1 RAG Chatbot <ul style="list-style-type: none">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.	Mar 2025-May 2025

CERTIFICATIONS

<ul style="list-style-type: none">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
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