KARTHIK J

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Professional Experience

- **Salesforce Developer**, 4CE Cloud Labs, Bangaluru   *Nov 2023 – July 2024*
  - **Build several reusable LWC component templates for a Mobile Banking Application Project** – Facilitated the team's introduction and developed a range of reusable Lightning Web Components (LWC) templates and UI elements. These components possess dynamic and configurable properties, significantly diminishing code redundancy and enhancing performance optimization, which lead to reduction in redundant code by 25%.
  - **Assisted and built the Integration architecture –** Implemented an Integration Framework that dynamically incorporates Apex, Lightning Web Components (LWC), and Salesforce Metadata, implemented for a Mobile Banking Application, that resulted in a reduced response latency by 15%.
  - **Configured Business Rule Engine and Omniscripts**
    Configured the Business Rule Engine and Omniscript flow for customer onboarding/ Lead Generation optimally for a Mobile Banking Loan Application process, using the Salesforce Financial Services Cloud, Omniscripts and Business Rule Engine.
- **Production Engineer Intern**, Incresol Engineering Solutions, Bengaluru 560058,   *Sep 2022 - Oct 2022*

Project/s

- **AI SAAS – Chat with PDF**   **[NextJs – AWS - PineconeDB – PostgreSQL – OpenAI - Stripe - Clerk Authentication – Tailwind CSS]**
  An AI SaaS application that allows users to study any PDF document by simply asking questions about its content. The app uses the OpenAI 'text-embedding-ada-2' model for text embeddings, stored in PineconeDB, and the original PDF is kept in AWS S3. User queries are converted to vector embeddings, which are matched to relevant document content and answered using the 'gpt-3.5-turbo' model. Stripe is integrated for payments to enhance AI capabilities for users.
- **AI Finance and Income Tracking Application   [NextJs – NextAuth - Vercel/Postgres Drizzle ORM – Neon – Tailwind CSS]**
  AI powered personal finance tracking application to track expenses. Segregate the Budgets, Expenses, and Income, take some insights from AI, and apply your decision accordingly. Leveraged the latest features of the NextJs, applied Drizzle ORM for managing data and used OpenAI for providing the insights on the user's current financial state.
- **Customer Invoice Management and Dashboard**   **[NextJs – Vercel/Postgres – Tailwind CSS]**
  A complete Customer's Dashboard application, with common Authentication, Authorization and CRUD operations. Built using NextJS, MongoDb as Database.
- **Social Media Chatting Application/ Twitter Clone**   **[Python – Django]**
  This project involves building a tweeting application with features resembling Twitter. Developed using Python with the Django framework. With all the CRUD operations and the database managed with PostgreSQL. Leveraged the key features of the Django framework.

Skills

- NodeJs, JavaScript, TypeScript
- ReactJs, NextJs, Redux
- Python, Django
- MySQL, PostgreSQL, MongoDB, Prisma, Drizzle ORM
- Java
- Salesforce Technology: Salesforce Admin, Lightning Web Components, Apex Programming Language, Experience Cloud, Mobile Publisher, SOQL, SOSL.

Area of Interests: Web3, *Artificial Intelligence/Data Science/ Machine Learning, Full Stack Applications, Mobile Applications, Data Structures and Algorithms (LeetCode, HackerRank, GeeksForGeeks).*

Achievements

- Major project titled **Development of Industrial Pipe Inspection Robot**
  *Led a team of four through the monumental team work and dedication shown by peers and myself helped the project to be approved for the **46th Karnataka State Council for Science and Technology, Student Project Programme** in 2023, from Bangalore Institute of Technology,*

Certifications

- **AWS Cloud Practitioner Essentials** – Amazon Web Services - https://coursera.org/verify/173JZU79GHVG
  Understood the fundamental AWS and its Cloud Computing services – Amazon EC2 and EBS services, S3 storage services and EFS, Regions and Availability Zones, Edge Locations and Cloudfront, Database Options, Security, Analytics, AWS Cloud Adaption Framework.

Education

- Bachelors of Mechanical Engineering, Bangalore Institute of Technology, Bangalore**, *Nov 2020 - May 2023*,** CGPA: 8.25
  Major project: Development of Industrial Pipe inspection Robot
- Associate's degree in Mechanical Engineering, MS Ramaiah Polytechnic, Bangalore, ***Aug 2017 - June 2020****,* CGPA: 7.4

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