CHAITANYA N.V.K

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Education

Georgia State University - Full Scholarship along with GTA   **Aug. 2021 – Dec. 2022**
Masters of Science in Computer Science; GPA:3.96/4.0   *Atlanta, Georgia*

Vignan University - Merit scholarship   **Aug. 2014 – Aug 2018**
Bachelor of Technology in Computer Science; GPA: 3.65/4.0   *Guntur, AP, India*

Technical Skills

Languages: Python, C, JavaScript, React, SQL, NoSql, Node JS, React JS, PHP, MySQl, HTML, CSS
Developer Tools: VS Code, Git, Jira, Linux, Docker
Technologies/Frameworks: Micro-services, Pandas, Numpy, API's, Flask, Agile

Experience

Amazon   **May 2022 – Aug 2022**
SDE Intern at AWS   *Metro DC, VA*

- **AEA onboarding**: Collarabated to fast-track the onboarding process. Reducing 7 hours of man hours per onboarding on average.
- **Topos**: Implementing a full-stack console to communicate and resolve security issues identified by network scans in Amazon Enterprise Access, helping identify and prevent future security threats, expecting to assist in securing 9k amazon services.

Darwinbox (Cloud-based HRMS platform)   **Jun 2018 – Aug 2021**
Senior Software Engineer   *Hyderabad, AP*

- **Workflows**: Architectured and led a **Micro-service** migration using **Node JS**, reducing average throughput time from 6 to 1 minute and creating business workflows as a service.
- **Payslip customization**: Developed a framework enabling system to handle various requirements of customers. Attracting multiple clients with more than 1 million employees to the payroll platform.
- **Reports**: Implemented a framework using **PHP**, generating reports on demand enabling us to present the data of 200k employees on a single request.
- **Mongo DB**: Explored and Cultivated Various optimization techniques, attracting volunteers to team up resulting in a cut of 800K$ mongo bill.
- **Multi-Payroll Integration**: Created stateless APIs for every step of the payroll process and enabled third-party clients to be integrated into the internal system. Resulting in a robust streamline to serve 1 million users spread across multiple systems.
- **Payroll**: Collaborated in analyzing and resolving many bottlenecks and automated existing manual processes, creating a hassle-free pipeline and reducing manual work from 40 to 12 person-hours.
- **Optimized Notifications**: Generated bash processing for emails and notifications for various massive events. Preventing bottlenecks and efficiently processing more than 200k users at a single go.
- **Taxation**: Partnered in establishing a foundation to handle multiple tax systems, enabling us to handle multiple tax amendments, giving an edge over the competitors, making the product be subscribed by 50 new clients.
- **Recruitment**: Constructed pipeline automating various internal manual steps using event emitter. Reducing the hiring time by 60%.

Darwinbox (Cloud-based HRMS platform)   **Dec 2017 – Apr 2018**
Intern   *Hyderabad, AP*

- **Chatbot**: Utilized **Wit**(Facebook's tool for intent recognition) to automate tasks subscribed by over 1 million customers.
- **OCR**: An integration into the reimbursement module, to auto-populate the details from the bill reducing the processing time by 90%.

Personal Projects

Gumo | *Node JS, Mongo DB, NPM package*   **April 2021**
- ∗ A web-crawler and scraper to extract data from a family of nested dynamic web pages, with added enhancements to assist knowledge mining applications.

NFL Health & Safety - Helmet segmentation and labeling | *Python, Pandas, NumPy*   **Dec 2021**
- ∗ Published the findings as, "Real Time Multi-Object Detection for Helmet Safety". 19 May 2022, Arxiv

Achievement's / Volunteer

- ∗ Spot award for my Initiative in system optimization, 2020 (Darwinbox)
- ∗ Donor and regular volunteer for Food4Lives