

ANKITA UDAYKUMAR KULKARNI

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SUMMARY

- 5 years of professional Software Engineering experience, specializing in designing and implementing high-performance web applications, demonstrating expertise in a wide range of programming languages and frameworks

TECHNICAL SKILLS

- **Programming Skills** - Python, Java, JavaScript, PHP, Scala, Shell Script, C++
- **Frameworks** - Laravel, Angular 6|14, Vue, HDFS - Spark
- **Database** - SQL, PostgreSQL, DynamoDB, SQLite3
- **Deployments** - Docker, Kubernetes, AWS, Jenkins
- **Web Technologies** - CSS, HTML, Bootstrap, REST API, React.js, Flask, J2EE, Node.js
- **Tools** - Git, SVN, ServiceNow
- **Methodology** - Agile-SCRUM, TDD, Waterfall

PROFESSIONAL EXPERIENCE

Software Engineer, Barclays Inc, USA

August 2023-Present

- Working on a Widget Recommendation Engine Proof of Concept (POC) utilizing Collaborating Filtering Algorithms to analyze user search patterns and behaviors, achieving an 84% Area Under the Curve (AUC) accuracy in phase 1.
- Hands on experience using modern AI frameworks and technologies, such as PyTorch, TensorFlow, scikit-learn, MLflow, Spark
- Developed an efficient and customizable framework using Python, Shell Script and Angular to streamline data transfer between Oracle schemas, resulting in development time reduction from > 11 hrs to ~4 hrs
- Implementing high-performance framework ingesting millions of daily transactions, enriching data for upstream applications to be able to consume effortlessly. Developing APIs to onboard more data-lines, configuring cron jobs, optimizing data architectures, enhancing DevOps practices and monitoring techniques.

Full Stack Developer, Greg Morris Cards Inc, USA

July 2021- May 2023

- Revamped all GMC websites, both public-facing and intranet, to meet the dynamic needs of business stakeholders with their legacy systems using technologies, including React, HTML, JavaScript to bring the vision to life.
- Proficient in design, development, enhancement, troubleshooting, monitoring and debugging of web applications, with a focus on developing tools for recognizing fake cards using Image Recognition and AI Supervised Learning using Python, OpenCV, Scikit-Image, SciPy, PIL and Numpy.
- Adeptly navigated scope change requests, skillfully estimated project efforts, strategically mitigated risks, and flawlessly launched new sites with the powerful tools of AWS, including ELB, Route 53, IAM, EC2, and S3.
- Enhanced website performance efficiency to handle 48% more customer loads using AWS tools. Single-handedly set up automated scripts for the company's daily manual reports briefings using Python and Shell Scripts and RabbitMQ.
- Overall, allowing the graders to process 16 cards in a single scan instead of 9 cards grid, increasing the performance by ~77%.
- Strategically devised and deployed REST APIs and services for the renowned Greg Morris Auctions, featuring complex bid increment logic, earning team-wide recognition.

Software Engineer, NTT Data, India

July 2017 - July 2019

- Built chatbots for WhatsApp, LINE, Facebook, and Viber using Dialog Flow, Watson NLP, Java Spring Boot, and Maven; trained intents and developed backend with React and Node.js.
- Developed and integrated complex systems using Agile/Scrum, CI/CD (Jenkins, Groovy, Docker), and scripting (Python, Shell). Integrated Blockchain with IoT for supply chain and AI for healthcare solutions
- Leveraged AI frameworks, such as NLTK, PyTorch, TensorFlow, scikit, Pandas, Spark, etc
- Received SPOT award for healthcare system POC; Certified Level-N4 in Japanese Language Proficiency Test (JLPT).

EDUCATION

Master of Science, Computer Science (GPA: 3.77), California State University - Fullerton,

August 2019 - May 2021

Bachelor of Science, Computer Science (CGPA: 8.8), University of Pune - India,

July 2013 - June 2017