

Akash Dubey

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Highly motivated and detail-oriented professional with a passion for computer science. My skill set includes Java, C, C++, Python, and Bash, which I employ to solve problems in a pragmatic manner. Currently working on projects in AI/ML, Cloud Services, Crypto and Security/Privacy. My ability to learn quickly and apply knowledge has allowed me to take on complex challenges with ease. In my free time, I enjoy exploring new technologies and tinkering with open-source projects and online and rock-climbing, running offline.

EDUCATION

- **NMIMS Mukesh Patel College of Eng.** 3.02/4, Mumbai, IN
Bachelors of Technology in CS May, 17 - May, 21
- **Queen Mary University London** London, UK
PG Computer Science FT Sept, 22 - Sept, 23(Expected)

PROFESSIONAL EXPERIENCE

- **Instoried Research Pvt Ltd** Bangalore, IN
Devops Eng. Jr. May, 21 – Aug, 22
 - Implemented auto-scaling Kubernetes clusters for staging, development, and production using GitOps through a CI/CD Jenkins pipeline on AWS. Utilized Helm to manage supporting software such as PostgreSQL, Kafka, Redis, etc.
 - Proficient in container orchestration platforms like Kubernetes, Docker Swarm, or Amazon ECS, ensuring efficient deployment and management of containerized applications
 - Showcased expertise in setting up and maintaining CI/CD pipelines using tools like Jenkins, Bitbucket to automate software delivery processes following GitOps
 - Experience in implementing monitoring and logging solutions like Prometheus, Grafana, and Istio for service mesh
 - Implemented PostgreSQL backup and restore for cluster failure scenarios
 - Proficient in Docker and Linux administration for creating hardened cluster images
 - Proficiency in scripting languages such as Python, Bash, or Ruby to automate repetitive tasks and improve operational efficiency
- **ChemKraft Pte Ltd** Singapore
Web Dev Intern Apr, 21 – May, 21
 - Built a static website with HTML, CSS, Bootstrap and JS to highlight the company products
 - Deployed website on a reliable hosting platform for performance and accessibility
- **Gumption Labs** Bangalore, IN
Android Dev May, 19 – Oct, 19
 - Developed an Android peer-to-peer content delivery application, facilitating seamless internal training and document sharing among employees
 - Implemented a secure video streaming module, employing robust restrictions on video playback options and designed UI of application taking feedback from control groups to provide a holistic theme to the application
- **Godrej Infotech** Mumbai, IN
Web Dev Intern May, 19 – Jun, 19
 - Built an e-commerce website using Java with Oracle database implementing DAO principles
 - Part of code-review team to test live projects

PROJECTS

- [Cubixmart](#) – An e-commerce website on the MEAN stack and also developed test cases for the same
- [Server Recon Tools](#) – Suite of reconnaissance tools using python that work server side to provide important statistics about consumer habits. Tools included profile harvesters based on data input by consumers, word clouds to gain insight on most searched terms and loggers that provide values on important activities
- [Runner](#) – Endless runner game build that scaled in difficulty based on user inputs using android and unity engine that was a runner up in the college hackathon for app development
- [Equator](#) – Serverless application hosted on AWS that compared enter data based on all previously inputted records. Used DynamoDB as database to store all data
- [Auction Service](#) – Serverless auction service that provided a stage for bidding of different products, implemented lambda functions to work using API calls to authorize bids. Winner of bids would then be notified using the AWS SQS service
- [Smart Irri](#) – A smart irrigation system using fuzzy logic that took input from sensors to identify conditions of soil, humidity and temperature and decided on the amount of water to be released for irrigation
- [Peermarket](#) – Decentralized marketplace using ERC-20 tokens to bet on and purchase commodities/assets which on acquiring becomes a fractionalized NFT. Currently working on creating order books for ERC-20, 721 tokens

PUBLICATIONS

- Dubey, Akash and Hanche, Preyas and Falor, Ayush, Supply Chain in Blockchain– A Review (April 10, 2019) <http://dx.doi.org/10.2139/ssrn.3572568>
- Hanche, Preyas and Dubey, Akash and Falor, Ayush, Comparative Analysis of Methods of Gesture Recognition in Image Processing (April 9, 2020) <http://dx.doi.org/10.2139/ssrn.3608762>
- *Prof. Sanjay Deshmukh, Preyas Hanche, Akash Dubey, Nishant Desai and Meghaj Agrawal, AI in Games - A Review (December 19, 2021) https://wjert.org/home/article_abstract/1120

ACHIEVEMENTS

- 20+ Certifications from IBM on topics ranging from Deep Learning, Data Science, Cloud etc
- Completed the Certified Network Security Specialist Certification from ICSI
- Completed Udemy courses on Linux, NodeJS, Kubernetes and DevOps.
- Ranked in the top 10% worldwide on Google CodeJam
- Attended seminars on Block Chain, Dark Web etc
- Distinction Certificate in Inter-College Coding Competition