

GOURAV AGRAWAL

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EDUCATION

Arizona State University | M.S. in Computer Science | Tempe, AZ

Aug 2019 – May 2021 (Expected)

Related Courses: Statistical Machine Learning, Artificial Intelligence, Data Mining

Vellore Institute of Technology | B.Tech. in Computer Science | India | 8.55/10

Jul 2013 – May 2017

WORK EXPERIENCE

BlackRock | Software Development Engineer | Gurgaon, India

Aug 2017 – Jul 2019

Snapshot Publisher

- Led the initiative to replace 2 legacy application and created a web app using **Angular 6, Java** and **Spring**.
- Researched on **Apache Ignite** as a near-cache solution, leading to more than double the upsurge in performance and speed.

Snapshot Cache

- Deployed **RESTful** web services using **Spring Boot** and oversaw the load testing and performance optimization for the API.
- Reduced the response time for large clients from 8-35s to 1-3s.

Aladdin for Corporate Treasury (aCT)

- Fast-tracked the front-end development of aCT, meant to replace the third-party tool in turn saving approx. \$1 million yearly.
- Designed **wireframes** and released multiple screens and features like bulk upload and admin dashboard as a part of it.

Snapshot Controller

- Automated the manual efforts of deploying AUM and revenue publishes by developing a **Spring Integration** based application, aiding AUM and Financial Planning and Analytics team, reducing 45-man hours of work monthly.
- Engineered the application to work as a generic task dispatcher framework.

BlackRock | Intern | Gurgaon, India

Jan 2017 – Jul 2017

- Developed reusable web components using Angular along with **Redux** and Spring MVC to display key analytics.
- Set up a **monorepo** and enforced **GitFlow Workflow** to unify **Jenkins** build for all app-owners.
- Ensured more than 90% code coverage for frontend and backend using **Jasmine/Karma** and **JUnit**.
- Runner-up (2nd) in HCK:KNIGHT, a hackathon organized during the end of internship for all the interns.

Cumbre Technology | Intern

Jun 2016 – Jul 2016

- Developed and released 2 application features i.e. course modification and course list/view using **Laravel**.

PROJECTS

The Pac-Man Projects – Arizona State University

Aug 2019 – Present

- Implementing array of **AI** techniques including informed state-space search, probabilistic inference, reinforcement learning, perceptron algorithm and neural network models in the multi-agent Pacman world.

BLK Buddy Finder – Global Hackathon, BlackRock

April 2018

- Developed an application to help connect people with similar interests and background.
- Used the data from BlackRock's API and applied **collaborative filtering** technique

Disease Prediction using Machine Learning – VIT University

Sept 2016

- Used Kaggle dataset for predicting the disease based on more than 100 symptoms.
- Achieved 87% accuracy using **Decision Tree Classifier**, after evaluating multiple algorithms with K-fold Cross-validation.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML5, CSS3, SQL, C++, PHP

Framework & Libraries: Spring, Angular 6, Apache Ignite, Redux, Webpack, Pandas, seaborn, scikit-learn, Bootstrap, Laravel

DevOps & Databases: MySQL, Git, Jenkins, Sonar, JIRA

Certifications: Advanced Styling with Responsive Design (Coursera)

ACHIEVEMENTS AND LEADERSHIP EXPERIENCE

- Rated '**Outperformed**' (<5%) consecutively for my two years of work in BlackRock.
- BlackRock Global Hackathon Asia-Pacific **finalist** for automating and digitalizing the client portfolio reporting process.
- Lead** of Nutrition and Health department and Core Committee member of FIT:BLK. Organized healthy cooking competition within 14 teams of 5 each and International Yoga day event with over 600 participants across India offices as a part of it.