

Somya Bansal

github.com/Somya-Bansal
somyabansal@gmail.com | 602.596.7732

EDUCATION

ARIZONA STATE UNIVERSITY MASTERS IN COMPUTER SCIENCE

Dec 2022 | Tempe, AZ
Cum. GPA: 4.0 / 4.0

PES UNIVERSITY

BS IN COMPUTER SCIENCE
May 2018 | Bengaluru, India
Aggregate: 87.2/100

COURSEWORK

GRADUATE

Planning/Learning in AI
Cloud Computing
Data Visualization
Mobile Computing
Human Computer Interaction
Software Management
Software Validation and Testing
Data Processing at Scale
Data Mining
(Research Aide at WP Carey Business School)

UNDERGRADUATE

Compiler Design
Operating Systems
Computer Networks
Pattern Recognition
Object Oriented Programming
Software Architecture
Artificial Intelligence
Data Structures and Algorithms
Database Management Systems
Systems Modelling

SKILLS

PROGRAMMING

Languages:

Python • Javascript • HTML
CSS • SQL • Kotlin • C

Tools/Frameworks:

React • NodeJS • Flutter • D3
GraphQL • Angular • Axure
Material Design • NestJs
Docker • Pandas • MongoDB
Git • Jira • Neo4j • Numpy

EXPERIENCE

EXPEDIA GROUP | SOFTWARE ENGINEERING INTERN

May 2022 - Jul 2022 | Seattle, WA

- Improved the AB Testing process lifecycle followed by 75+ developers by incorporating a "purging" phase after experiment completion.
- Purged 4 completed experiments. (TypeScript, Kotlin)

DELOITTE (CONSULTING) | TECHNICAL ANALYST

Aug 2018 - Dec 2020 | Bengaluru, India

Voucher Management System (TypeScript, NodeJS, gRPC, MySQL, React, Flutter)

- Reduced the payment turn-around time at point-of-sale by implementing contact less voucher payment system.
- Implemented the authentication and authorization micro-service.
- Developed the mobile application used for scanning and redeeming vouchers.

Viz Wall (React, ChartJS, Google Maps API)

- Developed interactive visualization dashboard for a digital wall highlighting more than 400 key performance indicators.
- Integrated Google maps for location visualizations.

OPEX ANALYTICS | SOFTWARE ENGINEERING INTERN

Jan 2018 - May 2018 | Bengaluru, India

Beer Game (Python, HTML, CSS)

- Worked on the user interface and game logic of an AI powered supply chain and inventory management game.

PROJECTS

REAL-TIME FACE DETECTION | EDGE COMPUTING

AWS - Lambda, SQS, DynamoDB, S3

Built an end to end face detection application using Raspberry Pi with a camera module and detection logic on AWS Lambda.

VAST MINI CHALLENGE | DATA VISUALIZATION

JavaScript, D3

Developed a visualization dashboard with bar charts, heat maps, circle packing, and line charts to solve 2015 VAST MC2.

MULTI-AGENT GRID ENVIRONMENT | REINFORCEMENT LEARNING

OpenAI Gym, Python, Matplotlib

Solved an OpenAI Gym environment using Q-Learning and Monte Carlo Tree Search.

SCIBASE | RESEARCH

Neo4j, Python

Built a pipeline for curated scientific journal data to establish relationships between various graph database entities like authors, articles, countries, institution, and citation count.

LEADERSHIP

IEEE STUDENT CHAPTER | CHAIRMAN

PES University, 2017-2018

- Organized the college flagship 24-hour hackathon with 300+ participants, managing a team of 52 volunteers.
- Organized several career building talks and technical seminars.