

Bharat Sachdev

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EDUCATION

Purdue University

West Lafayette, IN

B.Sc Computer Science, Minor in Entrepreneurship | GPA: 3.89

Aug. 2019 – May 2022

Relevant Coursework: OS, AI and ML, Analysis of Algorithms, Systems Programming, Software Engineering, Computer Architecture, Data Structures and Algorithms, Programming in C, Foundations of Computer Science, Linear Algebra, Calculus 3, Software Design, OS, Software Testing, Introduction to Statistics

TECHNICAL SKILLS

Coding Languages: C++, Python, Java, Typescript, JavaScript, HTML/CSS

EXPERIENCE

Software Engineer

Sep.2022 – Present

Facebook/Meta

- Prevented billions of dollars in fines by designing regulatory filtering across 8k+ Ads model trainings per day
- Reduced compliance turnover period from 2 months to 2 weeks through highly configurable regulatory infra
- Increased QPS for Ads trainings by 50% through targeted optimizations in data reading flow
- Lead multiple cross team investigations and successful recovery operations on deletion of 300+ ads data assets
- Collaborate with partner teams to enable 20+ new consumer signals in Ads data pipelines to combat signal loss

Site Reliability Intern

June 2022 – Sep. 2022

Bungie

- Designed and developed ML Python service for automatic detection of anomalies in time series data
- Engineered highly configurable service with easy addition and deletion of platforms and data endpoints
- Reduced false positive rate across platforms by 90% and decreased anomaly pickup times by 20-80%
- Deployed service through Docker container with automated building and redeploying through GitHub Actions

Data Analysis Intern

July 2020 – Aug. 2020

Vjournio Technology

- Expedited road-map to data analysis by 20% through NumPy and Pandas based restructuring of data
- Explored UI improvements by working directly with clients and implemented 12 unique optimizations
- Accelerated client feedback loop by 35% by implementing visualization with Matplotlib and pandas

Software Engineering Intern

June 2018 – July 2018

The Software Practice

- Accelerated development of JS and Java based medical diagnostics website by 20%
- Collaborated with team through Agile software development methodology of Scrum
- Communicated directly with clients and presented recurring pain points in Alpha testing to team
- Streamlined feedback process in Alpha version, increasing form feedback rate by 45%

PROJECTS

Simple Sell Website and Application | *Java, MySQL, AWS, PHP, JS, TomCat*

Jan. 2020 – May 2020

- Implemented UI for Android App and Website through 30K+ Java and JS based edits
- Engineered Java and PHP servers to communicate with mobile and website databases hosted on AWS RDS
- Restructured MySQL database to reduce information access time by 25% by implementing key-value tables
- Guided team of five as Scrum Master through Agile process of software development

UNIX Shell | *C, C++, Lex, Yacc*

Sep. 2020 – Oct. 2020

- Created a UNIX shell consisting of 20K+ lines of code in C and C++
- Devised a command parser using Lex and Yacc to identify UNIX commands and arguments
- Expanded command execution through data pipelining to subshells and background processes
- Programmed command backlog to allow easy execution of previously executed commands