

AMEY SADANAND BHILEGAONKAR

☎ 480-616-3980 ✉ ameybhilegaonkar3@gmail.com 🌐 <https://github.com/ameygoes> in <https://linkedin.com/in/amey-bhilegaonkar>

WORK EXPERIENCE

Software Engineer

Jan 2020 - Jun 2022

Winjit Technologies

Pune, India

- Engineered 10+ RESTful APIs and distributed services by designing low-latency, responsive UI/UX application features, optimizing web architecture, and managing large-scale databases, enhancing system performance by 20%.
- Initiated and designed a standardized solution for dynamic forms generation with customizable CSS capabilities, reducing development time by 8x, and led a 12-member cross-functional team to ensure seamless implementation.
- Collaborated with senior developers to integrate new software solutions, utilizing agile methodologies to improve project delivery timelines by 15%.

Research Intern

Mar 2019 - Aug 2019

IMATMI, Robbinsville

New Jersey (Remote)

- Conducted research and developed ML and statistical models to design analytical tools, streamlining HR processes and optimizing talent management systems, resulting in a 25% increase in efficiency.
- Created a 'goals and action plan generation' tool for employees, addressing individual weaknesses to facilitate professional growth, improving employee satisfaction scores by 30%.
- Collaborated with cross-functional teams to implement data-driven solutions, enhancing decision-making processes and reducing project turnaround time by 10%.

Data Science Intern

June 2023 - August 2023

BigCommerce

Austin, Texas

- Designed and managed a large-scale Snowflake data retrieval pipeline, improving data warehousing efficiency and reducing data processing time by 25%.
- Implemented logistic regression and predictive models, enhancing customer retention prediction accuracy by 12%, contributing to strategic decision-making.
- Collaborated with data infrastructure teams to ensure data availability and resolve data-related issues, improving data reliability by 15%.

EDUCATION

Arizona State University, Tempe, USA

August 2022 - May 2024

Masters of Science in Computer Science

Pune Institute of Computer Technology, Pune, India

July 2015 - May 2019

Bachelors of Engineering in Electronics and Telecommunications

PROJECTS

Search Engine for All File Types

-

- Implemented Elasticsearch to achieve millisecond response times, enhancing user experience by providing rapid search results.
- Converted diverse file types into vector embeddings, optimizing search capabilities and reducing latency by 50%.
- Led the development of a Python FAST API, improving data retrieval efficiency and supporting seamless integration with existing systems.

Scalable Data Processing Pipeline

-

- Designed a scalable data processing pipeline using Kubernetes, enhancing system availability and handling 200% more data.
- Orchestrated Kafka and Zookeeper setup with Minikube, streamlining data flow and reducing setup time by 30%.
- Streamlined data ingestion into Neo4j, applying graph algorithms to improve data exploration and insights by 40%.

Email Automation Marketing Tool

-

- Developed an email automation tool, increasing outreach efficiency by 70% and enhancing networking capabilities.
- Integrated RESTful APIs to manage a contact database, demonstrating full-stack development skills and improving data accuracy by 25%.
- Streamlined communication processes, reducing manual effort by 60% and improving response rates.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C#

Cloud and DevOps: AWS, Google Cloud, Azure, Docker, Kubernetes, CI/CD, Git

Data Engineering and Tools: SQL, Airflow, Spark, Kafka

Software Development and Methodologies: Version control, GitHub, Agile methodologies, Problem-solving, Analytical skills, T

Certifications: Google Cloud Platform Associate Cloud Engineer,

ACHIEVEMENTS

Developed a full-stack web application using JavaScript and C#, improving user engagement by 30% through enhanced UI/UX design.

- Collaborated with a team of 5 developers to implement a cloud-based solution on AWS, reducing server costs by 20% and increasing system reliability.
- Led a project to integrate GitHub version control into the development workflow, resulting in a 50% reduction in code merge conflicts.
- Participated in an Agile development team, contributing to the successful deployment of a software update that increased application speed by 15%.
- Received the 'Best Problem Solver' award in a company-wide hackathon for developing an innovative algorithm that optimized data processing time by 40%.