

Archit Gupta

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EDUCATION

Northeastern University

Master of Science in Computer Science — GPA: 3.834/4.0

Boston, MA

Jan 2025 - May 2027

Guru Gobind Singh Indraprastha University

Bachelor of Technology in Computer Science — GPA: 3.55/4.0

Delhi, India

Jul 2018 - Jul 2022

WORK EXPERIENCE

Application Developer Intern

Jan 2026 - Jun 2026

Abacus Health Solutions

Cranston, RI

- Engineered end-to-end web applications using **C#, .NET, and React**, reducing portal loading time to **20 ms** from 3 seconds and improving business process efficiency by **20%** using **Agile** methodology
- Integrated **RESTful APIs** with OAuth authentication and developed unit tests achieving **20% code coverage**, maintaining security standards for data storage and communications ensuring compliance for **20+ MNCs**

Khoury College Teaching Assistant

Sep 2025 - Dec 2025

Northeastern University

Boston, MA

- Directed weekly CS1800 Discrete Structures recitations and office hours, clarifying complex concepts for **100+ students**, leading to a **15%** increase in average exam scores
- Developed and presented **20+** practical code examples that helped bridge the gap between complex mathematical proofs and computer science principles, demonstrably improving student understanding and enhancing practical application

Technical Support Assistant

Feb 2025 - Jan 2026

Northeastern University

Boston, MA

- Programmed a PowerShell script to automate the imaging and configuration of **100+ Windows devices**, reducing manual configuration errors by **95%** and accelerating deployment by **40%**
- Led software upgrades for **40+ systems**, pinpointed critical performance bottlenecks, and deployed targeted technical solutions, decreasing software-related support tickets by **35%** within JIRA and ServiceNow

Software Engineer

Aug 2022 - Dec 2024

Ernst & Young

Delhi, India

- Architected and delivered 3+ full-stack web applications using React.js, AngularJS, and Microsoft Power Platform for Fortune 500 clients across North America, Europe, Australia, and Middle East, driving **\$500K+ annual revenue**
- Implemented end-to-end full-stack applications integrating REST APIs with **MongoDB** databases, configuring CORS policies and seamless frontend and backend communication across **10+ API endpoints**
- Constructed a complex React.js web application with advanced search and custom hooks, also integrating SharePoint **REST API**, enabling efficient user data management that reduced data retrieval time from **50 seconds to 30 seconds**
- Collaborated in 20-person team to develop EY.AI, a custom generative AI platform using ChatGPT's API for **400,000+** employees with enterprise security. Launched scalable solution achieving 99.9% uptime and company-wide AI assistance
- Enhanced cross-functional collaboration in **Agile/Scrum teams** using Git version control and Azure DevOps for streamlined **SDLC processes**, reducing deployment errors by **40%** and boosting team productivity by **25%**
- Redesigned distributed system performance by applying efficient **sorting and graph algorithms** for data processing workflows across **microservices architecture**, reducing computational complexity and improving system throughput by **2x**
- Integrated comprehensive logging and monitoring solutions using **Datadog and CloudWatch** for real-time performance tracking, enabling instant issue detection and reducing mean time to resolution from **4 hours to 30 minutes**
- Spearheaded the implementation of automated CI/CD pipelines with Azure DevOps and Git workflows, cutting down full-stack web project deployment time by **60%** and improving code integration

PROJECTS

SmartOffice Workflow Manager

- Built a React-based web application with **5-tier** approval workflow to manage company-wide Return-to-Office policies, improving request handling efficiency by **50%** and reducing processing errors

TechSkill Assessment Platform

- Deployed a React/SharePoint exam platform with four modules, replacing a manual system; this platform delivered instant results and supported **500+ employees'** technical skill assessments

Executive Performance Analytics Dashboard

- Established a website using MERN stack for 1,000+ EY partners across Europe West Region to streamline KPI and OKR management with country-specific admin roles, reducing review time by **70%** and improving approval efficiency

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C#, C++, Java, SQL

Web Technologies: React.js, AngularJS, Node.js, Express.js, .NET, REST APIs, HTML, CSS, Flutter

Databases: MongoDB, PostgreSQL, MySQL, SQL Server, SharePoint

Cloud & DevOps: Azure DevOps, Docker, Git, GitHub, GitLab, Jenkins, CI/CD Pipelines, Datadog, CloudWatch

Tools & Frameworks: Agile/Scrum, Linux, JQuery, Bootstrap, OAuth, Power Apps, Power Automate, JIRA