

# Avinash Bhavancheekar

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## PROFESSIONAL EXPERIENCE

### UGenome AI

Remote

Software Engineer

April, 2025 – Present

- Led full-stack development for UGenome's MVP, building scalable components with React, Node.js, Python, and FastAPI that accelerated product readiness by 30% and supported secure data integration for personalized user insights
- Designed and optimized MySQL and MongoDB databases while implementing conditional onboarding flows that streamlined data submission and enhanced retrieval speed for complex genomic information
- Replaced legacy third-party APIs with custom service integrations and RESTful endpoints that transformed genomic research into functional tools through cross-functional collaboration
- Built and tested services to process, transform, and store complex JSON data, maintaining seamless frontend-backend communication for end-to-end functionality
- Conducted rigorous debugging, unit testing, and performance optimization, reducing critical bugs by 40% while maintaining high code quality through peer reviews and technical documentation

### PACE UNIVERSITY

New York City, New York

Graduate Intern

August, 2023 – December, 2024

- Enhanced user engagement and interface accessibility by optimizing front-end experiences across internal organizational tools using UI/UX improvements, accessibility standards (WCAG/ARIA), and performance optimization strategies, resulting in a 20% increase in task efficiency and faster navigation
- Ensured reliability during peak usage periods by conducting manual regression testing, stress testing, and cross-browser compatibility checks; upgraded error resolution speed by 30% through prompt documentation and issue tracking
- Demonstrated proficiency in Microsoft Suite to automate routine tasks, reducing manual effort and increasing team productivity by 15%

### ACCENTURE

Hyderabad, Telangana

Trust and Safety New Associate

November, 2021 – November, 2022

- Improved fraud detection accuracy by 25% through real-time monitoring dashboards and data analytics using Google AdWords and internal tools, maintaining a consistent 98% quality assurance rating
- Developed and implemented a structured training program for new associates, resulting in a 20% reduction in onboarding time; mentored 20+ employees on infrastructure and workflows across 10+ projects, ensuring operational consistency
- Identified and mitigated compliance risks by leveraging mechanize flagging systems and data validation scripts to monitor accounts and enforce policy adherence

## ACADEMIC PROJECTS

### EzCars Web Application

September, 2024 – December, 2024

- Conceptualized responsive front-end using ReactJS, HTML, and CSS for Windows, macOS, Android, and iOS
- Designed and implemented RESTful APIs with Spring Boot and Java for user registration and vehicle bookings
- Integrated Stripe for payment processing, AWS for hosting and deployment, and insurance APIs for real-time verification
- Executed both manual and automated testing using Selenium and Cypress, validating functionality under peak loads with

### Student Wellbeing Fitness Android Application

March, 2024 – May, 2024

- Initiated an engaging Android app using Java and Kotlin, following Agile methodologies for sprint-based development
- Leveraged Firebase Database to securely manage user data, including workout progress and login credentials
- Performed testing using Logcat, resolving all identified bugs to ensure error-free and smooth application functionality

## TECHNICAL SKILLS

**Programming & Scripting:** Java, Kotlin, JavaScript, SQL, Spring Boot

**Backend & Cloud:** RESTful APIs, Microservices API Management, AWS, Docker

**Web Development:** ReactJS, HTML, CSS, PHP

**Databases:** MySQL, Firebase

**CI/CD & Tools:** Jenkins, GitHub Actions, Jira

**Methodologies:** Agile, Scrum

**Testing & QA:** Cypress, Selenium, Junit, Postman, RestAssured, BDD

## EDUCATION

**Pace University, Seidenberg School of Computer Science and Information Systems** | GPA: 3.86/4

New York, New York

Master of Science (MS) in Computer Science | **Concentration:** Software Development

January, 2023 - December, 2024

**Relevant Coursework:** Application Development, Java Programming, DSA, DBMS, Software Testing, Python

**K.S.R.M. College of Engineering**

Andhra Pradesh, India

Bachelor of Technology (BTech) in Electronics and Communication Engineering | GPA: 7.02/10

July, 2017 - May, 2021