

# Khushi Agrawal

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## Technical Skills

**Languages:** Java, Kotlin, HTML, CSS, JavaScript

**Java Libraries:** Swing, HTTP Libraries

**Technologies/Frameworks:** Collection, BootStrap, Nagios, Splunk, Accops

**Developer Tools:** VS Code, Android Studio, Google Developer Platform, IntelliJ IDEA

**Relevant Coursework:** Data Structures and Algorithms, Database Management Systems, Operating Systems

## Projects

**On Road Vehicle BreakDown Asssitance** | *Java, XML, Firebase, Android Studio*

**July, 2023**

- Developed a scalable and user-centric mobile app using **XML** and **Java** for intuitive interface and backend development.
- Designed a database management system housing **1,500+** mechanic profiles, enabling direct customer communication.
- Optimized data storage with Firebase's NoSQL cloud database, improving latency, scalability, and reducing server costs.

**News App** | *Java, XML, Retrofit, REST API, Android Studio*

**May, 2024**

- Led development of a high-performance Android News app using **Retrofit** and **REST API** for seamless user experience.
- Optimized data retrieval and parsing with Retrofit's HTTP client for fast, reliable, and efficient communication.
- Designed a modular, scalable, and maintainable **Android architecture** for visually appealing news presentation.

**Flappy Bird Game** | *Java, Swing(JFrame, JPanel), KeyListener, ImageIO, VS Code*

**October, 2024**

- Developed a Flappy Bird game using **Swing**, applying **OOP** principles for an interactive **GUI** with real-time rendering.
- Created procedural generation algorithms for flexible pipe placement and integrated collision detection systems.
- Implemented bird movement with gravity simulation, managing game states for scorekeeping, game-over conditions, and restarts.

## Internships

**AU Shine Internship**

**Jan 2024 – July 2024**

*Graduate Engineer Trainee*

*Jaipur, Rajasthan*

- Enhanced operational efficiency by executing regular maintenance and timely updates; reduced system-related **incidents by 40%** and ensured **99.9% availability** of Windows servers
- Issued and managed over **50 SSL certificates**, ensuring data encryption and enhancing system security; achieved a **99.9% uptime** and fortified the company's defenses against potential cyber threats.
- Providing user support and training to empower effective use of Windows tools.

**Persistent Martian Summer Internship**

**June 2023 – July 2023**

*Training Internship*

*Jaipur, Rajasthan*

- Acquired advanced knowledge in **Data Structure, DBMS, Operating System, and Java** through comprehensive coursework.
- Transformed into a results-driven professional in software development and systems architecture through enhanced technical proficiency.

## Education

**JECRC University**

**Expected 2024**

*Bachelor of Technology in Computer Science (CGPA:8.5/10.0)*

*Jaipur, Rajasthan*

**Vikas Bal Vidhya Peeth**

**2019-2020**

*RBSE XII (Percentage: 85.6%)*

*Deeg, Rajasthan*

**Vikas Bal Vidhya Peeth**

**2017-2018**

*RBSE X (Percentage: 93.83%)*

*Deeg, Rajasthan*

## Extracurricular/ Academics

- Analysis of 200+ Data Structures and Algorithms questions across various platforms.
- Persistent Martian Summer Internship 2023.
- Selected for the second qualifier round of the Flipkart Grid 2023.