

AMIT KUMAR

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Education

Gulzar Group of Institutes, Punjab Technical University (PTU), India

2018 - 2022

- Bachelor of Technology in Information Technology | CGPA: 8.2/10

Work Experience

[Sandvine](#) | Software Engineer II

Jan'23 - Present

- Leading the **gaming App classification** feature, enhancing it based on customer request and Internal team request.
- Built a **dynamic app content classification** feature, and led this team of 2 developers, and 1 testers.
- Successfully released **4** categories of content classification, which are video, general web apps, social media, and audio categories, with **96.2%** accuracy.
- Planned and understood app data requirements, and collected, cleaned, and validated data for over **48** top applications.
- Integrated the model with a platform and added unit test cases for the classification of 4 app categories in sequence.
- Solved more than **40** bugs and caveats discovered during developer feature tests, QA tests, and early access, resulting in a **12%** enhancement in the customer experience. Also, advanced unit test cases were developed based on the bug fixes.
- Used **Core Java, Hibernate, JPA, MySQL**, and **Wireshark** for developing this project.

[Sandvine](#) | Software Engineer I

Jun'22 - Dec'22

- Enhanced the custom database and CTI database features by using intelligence feed services to create baselines and deltas, resulting in a **10%** improvement in CPU and memory consumption.
- Wrote extensive unit test coverage with over **500** lines of code, reducing customer complaints by **23%**.
- Tested intelligence feeds service for bugs and operating speed, fixed bugs, and documented processes to increase efficiency by **18%**.
- Worked with a team of 3 developers and launched a High Availability distributed system across servers and end users, which improved the CPU load on the production servers by **30%**.
- Solved more than **20** customer issues related to Custom database, CTI database, and IFD database.
- Worked with the Internet Watch Foundation database from the UK to block more than **5 million** URLs using our engine processor code with Sandvine's client application.
- Tech stack: **Java, JDBC, JPA, Hibernate** and **MySQL**.

Projects

[Newsbook web app](#)

Apr'22

Newsbook provides national and international news online in English.

- Newsbook is an online news portal in English.
- It shows the top news from different sources based on various categories like Science, Technology, Sports, Entertainment, Transport, Health, etc.
- The technology used for this web app includes **React.js, Bootstrap**, and the **Free News API**.

[Text-transform](#)

Dec'21

Text Tools is a powerful suite of browser-based tools for specialized text manipulation tasks.

- Change/convert letter case to/from uppercase, lowercase, the first letter of each word uppercase, the first letter of each sentence uppercase.
- Reduce all double plus extra spacing into single spaces. Trim leading/trailing spaces from lines. Remove all whitespace.
- Made this project using **HTML, CSS, React.js, Bootstrap**, and **JavaScript**.

Hard Skills

Computer Languages - Java, and C/C++

Development Tools and Software - Spring Boot, Maven, Hibernate, JDBC, MySQL, HTML, CSS, JavaScript, Linux, Git, Rest API, XML, IntelliJ, and Jira

CS Fundamentals - Data Structures, Algorithms, OOPs, Computer Networks, System Design, and DBMS.

Soft Skills

Communication Skills, Problem-Solving, Agile Methodologies, Adaptability, and Presentation Skills

Language - English, Hindi, and Assamese