

Deepanshu Sinha

Senior Software Engineer | ML & AI | Tech Blogger

5+ years experienced enterprising software engineering professional gained hands-on experience in designing, implementing, and installing software solutions and developing high-quality software designs & architecture. Adept at brainstorming & creating various tools and applications by producing efficient code, conducting systems analysis to improve operations, and automating tasks through appropriate tools & scripting. Proficient in interacting with the clients to successfully execute multiple big-ticket projects within the stipulated time while ensuring 100% client satisfaction.

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🌐 <https://github.com/the-code-chef> 🌐 <https://www.beingaware.in/>

KEY SKILLS

- Software Development & Testing • Interface Designing • Data Analytics • Jetpack
- Mobile-based Application Development • UX/UI • Unit Testing • Android Architecture Component
- Cross-Vertical Team Leadership • Coding & Troubleshooting • Architecture Design

TECHNICAL SKILLS

- **Programming Languages:** C++, Java/J2EE platform, Kotlin, Python, Dart
- Expert at Java SDK design functionality, including the full activity lifecycle
- C++ with Android NDK integration
- Knowledge of Flutter to develop cross platform application (android & iOS)
- Graphics and image-processing (OpenGL, Vulkan)
- Analytical skills - Firebase, MixPanel & Google Analytics
- Analytical user of GIT version control implementation
- Knowledgeable about back-end development and documentation
- Unit testing

PROFESSIONAL EXPERIENCE

Senior Software Engineer (SDE-II) - Founding Member

Jun '17 - Present

Open Appliances Private Limited

Bengaluru, IN

Open Appliances Private Limited is a company that operates with IoT at its core. The company designs develop and sell revolutionary smart locks, its flagship product targeted at transforming devices into experiences, and technology into value.

Application Development & Coding

- Assisting in developing flowcharts, layouts, diagrams, code comments, and clear code and documenting the same for the tech team
- Creating tools and **5+ applications** by producing clean & efficient code and supervising **code testing** & debugging
- Designing, developing & **installing software** solutions and developing **high-quality** software design and architecture

Tusk Smart Home (B2C) - <https://play.google.com/store/apps/details?id=com.openapp.tusk>

- Collaborating with vendors specialised in **Smart home IoT** devices across the country (China and U.S.)
- Integrating their **SDKs** and testing their devices to make sure devices are compatible with mobile applications and are up to Indian Standard markets.
- Collaborating with **UX/UI** designer to design screens of each device according to their use case.
- Assisting backend developers in creating **APIs** as per the features of the device.
- Develop android application from **scratch** after finalisation of device and design screen.
- Taking complete responsibility for launching a **new product** in android and iOS applications with **QA testing** and deploy in google play store and app store

Openapp Business (B2B) - <https://play.google.com/store/apps/details?id=co.openapp.app>

- Design, Develop and Deploy mobile(android & iOS) application for logistic verticals from scratch
- **BLE smart padlock and GPS padlock** integrated with the application including location based access(geofencing) and time based access.
- Develop custom solution for key clients such as Amazon, Sequel, Safe Express and Ecom Express
- Develop **custom SDK** for clients to use smart devices in their own mobile application.

Team Management

- Leading android application development team since beginning of project
- Build a entire tech team from the ground up, including operation team

Android Developer

Dec '16 - May '17

NewsWay Private Limited

Bengaluru, IN

A Platform for Passionate People to Compete in Communities like Music, Bike Stunts, Photography etc.,

- Building the android app for passionate people to live, learn and compete their passion through online communities.
- Followed **MVP architectural pattern** to Clear separation of responsibilities between components, Modularity, and Easier testing.
- Used **Dagger 2** from square to inject MVP layers and to reduce boilerplate around the pattern.
- Created own library on top of Retrofit, Leak Canary, GLide, Crashlytics, etc., and set up common structure i.e., fragment, activity, custom widgets etc., to setup base of any android project in less than a minute.
- Handled **AWS server** and contributed in deploying the **python(Django)** code in server.

Software Development Engineer - I

Jun '16 - Dec '16

SportsCafe

Bengaluru, IN

To provide real-time, emerging and interactive application to build the most preferred online sports portal for the Indian Sports Fan, and through it help to develop India's Sports Culture.

- Creating the architecture for development and validating the UI design given by designer.
- Followed **MVP architectural pattern** to Clear separation of responsibilities between components, Modularity, and Easier testing.
- Implemented Push Notifications, Google Analytics, Facebook Analytics and Mo Engage Analytics to analyse the user response for marketing team.
- Worked with Back End Team, Learned NodeJs & ReactJs and contributed the same.
- Handling release management and Focusing on further improvement of the product with the feedback's from the users.
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- App is in play store and has more than 10,000 Installs.

EDUCATION

Master of Science in Machine Learning & AI

Dec '20 - Aug '21

Liverpool John Moores University & IIIT Bangalore

Bengaluru, IN

- **Course modules:**
 - **Research Methodology** - Introduction to Research Process | Research Design | Literature Reviewing | Research Topics | Research Project Management | Report Writing and Presentation | Scientific Ethics | Research Proposal
 - **Progress Report and Dissertation** - Research Proposal Calls | Interim Reports | Final Thesis Reports

PG Diploma in Machine Learning & Artificial Intelligence

Dec '19 - Dec '20

IIIT Bangalore & upGrad

Bengaluru, IN

- **Course modules:**
 - **Machine Learning** - Linear & Logistic Regression | Naive Bayes | Lasso & Ridge Regression | SVM | Random Forest & Tree Models | Unsupervised Learning | PCA
 - **Natural Language Processing & NLTK Library**
 - **Deep Learning** - Neural Networks | CNN | RNN | Reinforcement Learning | DQN | Probabilistic Graphical Models

B.E. in Computer Science

Aug '12 - Jul '16

RR Institute of Technology

Bengaluru, IN

- Attended National Conference on Advancements in Science, Engineering & Technology (ASET).

CERTIFICATIONS

- **NPTEL** | Programming, Data Structures, and Algorithms using Python | Oct '18
- **Udacity Certification** | Data Structure And Algorithms - July'18 | Google India Challenge Scholarship- Feb '18
- National Conference on Advancements in Science, Engineering & Technology (ASET), Bengaluru | May '16

ADDITIONAL INFORMATION

- **Languages:** Hindi (Native), English (Professional)
- **Interests:** Reading, Participation in Tech Meetups, Events and Hackathon, Blogging