Prabal Pratap Singh
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JOB OBJECTIVE

In quest of a challenging position in the organization that offers me generous opportunities to explore & outshine in the field of Information Technology while accomplishing personal, professional as well as organizational goals.

PROFILE SUMMARY

- 8+ years of IT professional experience in Design and Implementation of Android Applications.
- Hands-on experience of using **Clean Architecture**, SOLID design principles, design architecture and patterns.
- Hands-on experience in third party integrations like Facebook, G-Plus, Firebase, Google maps.
- Android application development using Java and Kotlin on windows and Ubuntu platform.
- Proficient in developing apps using Retrofit, JSON, Location based API, FCM, SQLite, MVP pattern, MVVM and Live data.
- Good understanding of object-oriented practices, methodologies and replication using flavor.
- Consummate collaborator with clients, management, and team member.

IT SKILLS

- Android, Kotlin, Java
- MVVM, MVP, MVC Hilt and Jetpack Compose
- SQLite, Room, Firebase Database.
- Retrofit, Dependency Injection.
- Google Map and Social media integration.
- Android Studio, Android SDK, Eclipse IDE
- Tablet, Fold device App.
- Multithreading, Data Structure.
- Basic Knowledge of Machine Learning, Artificial Intelligence.
- Basic knowledge of Python
- Knowledge of libraries - OpenCV, TensorFlow, NumPy, Pandas, Keras, Matplotlib etc.
- Basic knowledge of image processing using CNN.
- Basic knowledge of MySQL and Sql Server Database**.**
- Knowledge of git, github and Jira.

WORK EXPERIENCE

TechMahindra Ltd. (Senior Software Engineer). [Client Samsung]   3th Nov 2021 to Currently Working

- Working on Samsung Health application (Module – Exercise, Blood Pressure, Blood Glucose, Accessory, Health Record)
- Refactoring multiple module and Performance improvements of module on low end devices.
- Writing testable code.
- Analyzed existing code to find thread safety issue.

IIT Kanpur (Senior Project Associate)   6th July 2020 to 30th Oct 2021

- Developing a Smart Music learning App currently used by 500+ User.

CSIR - Central Institute of Medicinal & Aromatic Plants (Project Assistant) 6th Nov '17 to 31th March 2020

- Developed a Mobile application for Menthol Mint Farming used by 5000+ user.
- Designed AI based algorithm for disease detection of Menthol Mint crop.

b2cmarketing.in. (Android Developer)   15th May 2017 to 4th Nov 2017

- Developed a Mobile app for an online pharmacy store used by 1000+ user.
- Developed a mobile app for online consultancy of doctors.

Kabeer Infotech System India Pvt. Ltd (Technical Consultant)   22nd June 2015 to 28th Feb 2017

- Designed and developed a Mobile application for internal order processing.
- Designed and developed SAP Business One Crystal Reports.

COURSES, ACHIEVEMENTS AND CERTIFICATIONS

- Secured first position in poster presentation in "Mintcon19" a National conference organized by CSIR - CIMAP.
- Neural Network and Deep Learning from Coursera.
- Basic of Data Science from Coursera.
- Python for Data Science and AI from Coursera.
- Structuring Machine Learning Projects. (Coursera)
- Training and internship program in **"Introduction of AI & IoT"** at IIT Kanpur

EDUCATION

2015   M.C.A (Master of Computer Applications) from G.K.V Haridwar.
2012   B.C.A (Bachelor of Computer Application) From C.S.J.M.U Kanpur.
2008   12th from Shiv Inter College, Haidarpur, Auraiya, UP Board.
2006   10th from Bal Vikas Sansthan HSS Babarpur, Auraiya, UP Board.

PROFESSIONAL PROJECTS

Title: **Samsung Health**
 Link: https://play.google.com/store/search?q=samsung%20Health&c=apps&hl=en-IN

Title: **Narottam - SMART PLATFORM FOR MUSIC TEACHING**
Link: https://play.google.com/store/apps/details?id=iitk.musiclearning

Title: **Mentha Mitra**
Link: https://play.google.com/store/apps/details?id=com.cimap.myplaceapi&hl=en

Title: **Hostop - Select Hospital Smartly**
Link: https://play.google.com/store/apps/details?id=com.hostop.hospital

Title: **MedOnline.**
Link: https://play.google.com/store/apps/details?id=com.madonline&hl=en

Title: **Yoga from the heart**
Link: https://play.google.com/store/apps/details?id=com.infoicontechnologies.yoga&hl=en

Title: **Image Classification with MNIST Dataset by CNN**
Tech. used: Machine Learning, Artificial Intelligence, Python.
Description: Handwriting Digit Recognition using Convolutional Neural Network with Keras.

Title: **Leaf Identification (Healthy and infected)**
Tech. used: Machine Learning, Artificial Intelligence, Python.
Description: Classification between healthy and infected leaves.
Algorithm used: Decision Tree, CNN, Random Forest, Support vector machine.

PUBLICATION

'Mentha Mitra'- An android app based advisory digital tool for menthol mint farmers in Journals   Industrial Crop and Product.
Link : https://www.sciencedirect.com/science/article/abs/pii/S092666901931057X

PERSONAL DETAILS

Address: Noida.
Languages Known: Hindi and English.