

Ajay kumar

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Summary 2+ years of experience in developing efficient code in **python** , **data extraction** , **data analysis** , **text-mining** , **machine learning** & **deep learning** models and deployment using **docker** and **kubernetes**.

Skills	<ul style="list-style-type: none">• Python• Deep Learning• SQL• Docker• Hadoop• Android• CoffeeScript• Natural Language Processing	<ul style="list-style-type: none">• Machine Learning• Java• MongoDB• Kubernetes• GitHub• JavaScript• Firebase
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Experience **United Health Group, Optum 360**
Software Engineer, Noida, Uttar Pradesh
07/2019 - Present

- Working on **AIOPS** for applying Artificial Intelligence to IT-Operations by making use of **Machine learning** and **Deep learning** models on realtime data.
 - Prediction of **swap space** for 60k servers to remediate issues before it reaches its threshold.
 - Identify outliers in **file system usage** for 60k servers to remediate issues before incident is raised.
 - Prediction of **C drive used** for windows servers to trigger alerts to SLOs.
 - Identification of issues related to **vcenter disconnection from VMware** by analysing pattern in historical data of VMwares.
- Classification of **User defined** and **Auto-generated incidents** from ServiceNow using **NLP algorithms**.
- **NLP** models for audit and monitoring of User defined incidents from ServiceNow.
- **Topic Modelling** to extract hidden patterns and issues in 12lac ServiceNow datapoints.
- **AI Chatbot** for quick access to server's information with 100+ use cases using Javascript as frontend , **Django** for Rest-API , **RASA-NLU** for conversation/story-building , **MongoDB** and **MySQL** for database and recommendation engine for better customer experience.
- Server remediation and Selfheal for 70k servers related incidents and change requests using **ServiceNow Rest-API** . Making use of **Multi-Threading** for concurrent process to make remediation faster.

ChicMic

Android App Developer, Mohali, Punjab
12/2018 - 07/2019

- **IOT** android apps making use of **Beacon** for hotel to check vacant rooms.
- **Memory Helper app** . This app helps to control reminders, notes on another device and reminding him/her of any urgency.
- **ITrack app** . This app is used to sell/buy properties and used as an auction app for properties in australia.

Mech2it Services

Python Developer Intern, Mumbai, Maharashtra
06/2018 - 09/2018

- Rest-APIs for providing access to college/school related information & notice for students.

Upgrad (AcadView)

Subject Matter Expert (SME), Chandigarh, Chandigarh
05/2018 - 08/2018

- Managed **40+ trainee** . Evaluate and assign tasks on 10 different projects in **Java & Android**.

Education

Masters in Data Science & Engg

Birla Institute of Technology and Science, Pilani, Rajasthan
03/2023
Pursuing

BTech in Computer Science

Punjabi University Patiala, Patiala, Punjab
05/2019
7.19 CGPA

12th (CBSE)

DAV Senior Secondary Public School, Fazilka, Punjab
04/2014
77.40%

10th (CBSE)

Panacea Senior Secondary Public school, Jalalabad, Punjab
04/2012
9.8 CGPA

Interests

- Reading and Writing Tech Blogs
- Playing & Watching Cricket
- Watching Web-series
- Exploring new places

Languages

- Hindi
- Punjabi
- English