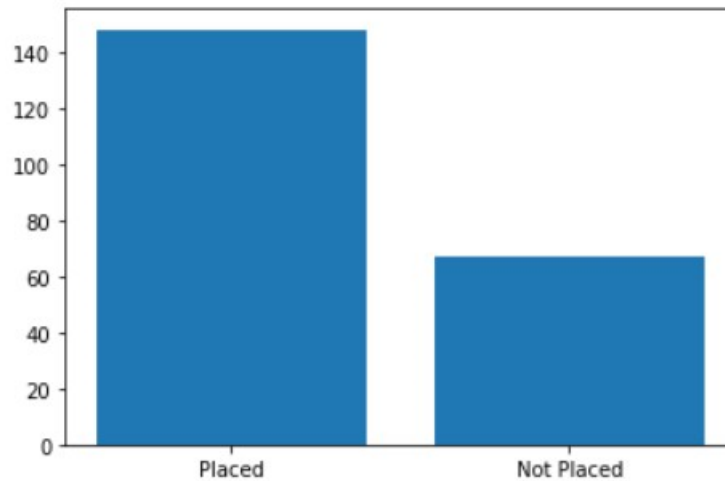


Internship Report

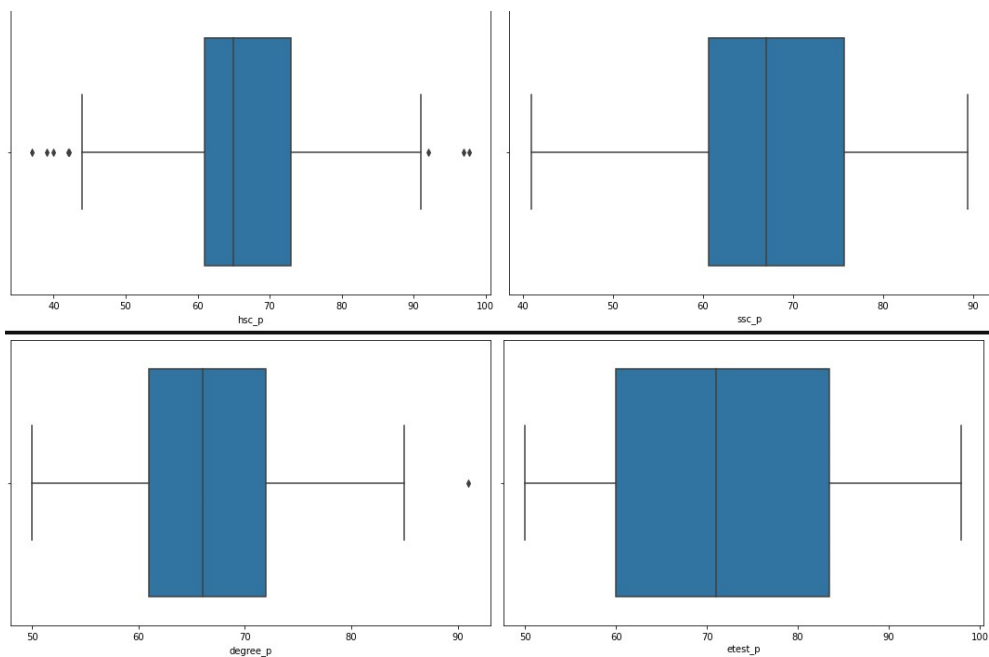
| | | | | |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|------------|
| Title of Internship | Applicant Eligibility System | | | |
| Name of Mentor | Prof. Avinash Shrivas | | | |
| Name of Students & Roll No. | S.No | Name | Roll No. | Mobile No. |
| | 1. | Yogesh Kulkarni | 18102B0009 | 8379814531 |
| | 2. | Naresh Alwala | 18102B0021 | 9405499824 |
| | 3. | Sumith Pevekar | 18102B0031 | 9326447218 |
| | 4 | Aayush Pandey | 18102B0032 | 8452918276 |
| Semester & Batch | Semester: 7 & Batch: BE-CMPN-2 | | | |
| Domain of project/Area | Machine Learning | | | |
| Technologies used | Jupyter lab, Python-3.8, pandas, numpy, seaborn library, matplotlib library, K-nearest neighbour algorithm, Linear regression algorithm | | | |
| Duration | 45 days | | | |
| Project features | Predicts whether an applicant is eligible to get placed in a company based on his/her qualification, skills and experience level, also predict salary of the placed candidates. | | | |
| Project Abstract | <p>Recently, there has been a rise in the number of hiring of candidates especially in the IT sector. Majority of companies are investing more and more resources on different applicant filtering software. In this project, we implemented a similar type of software which would not only predict whether an applicant will get hired or not but also predict the salary he/she might receive based on past records of that particular company. We used a machine learning approach and implemented a classification as well as regressor model using the K-nearest neighbour and linear regression algorithm. We used the campus placement dataset from Kaggle and perform different analysis and pre-processing techniques to study the correlation between dependent and independent variables. The dataset consisted of 15 attributes and 219 tuples. After performing different analysis we found that placement of candidates was highly correlated with academic qualification as well as experience of that candidate in that field. Finally, implementing classification model we achieved an accuracy of 93.5% and a mean squared error of salary attribute came out to be 10000 (approx.. 8% mean deviation from actual salary).</p> | | | |

Screenshots
(Min 3-5)

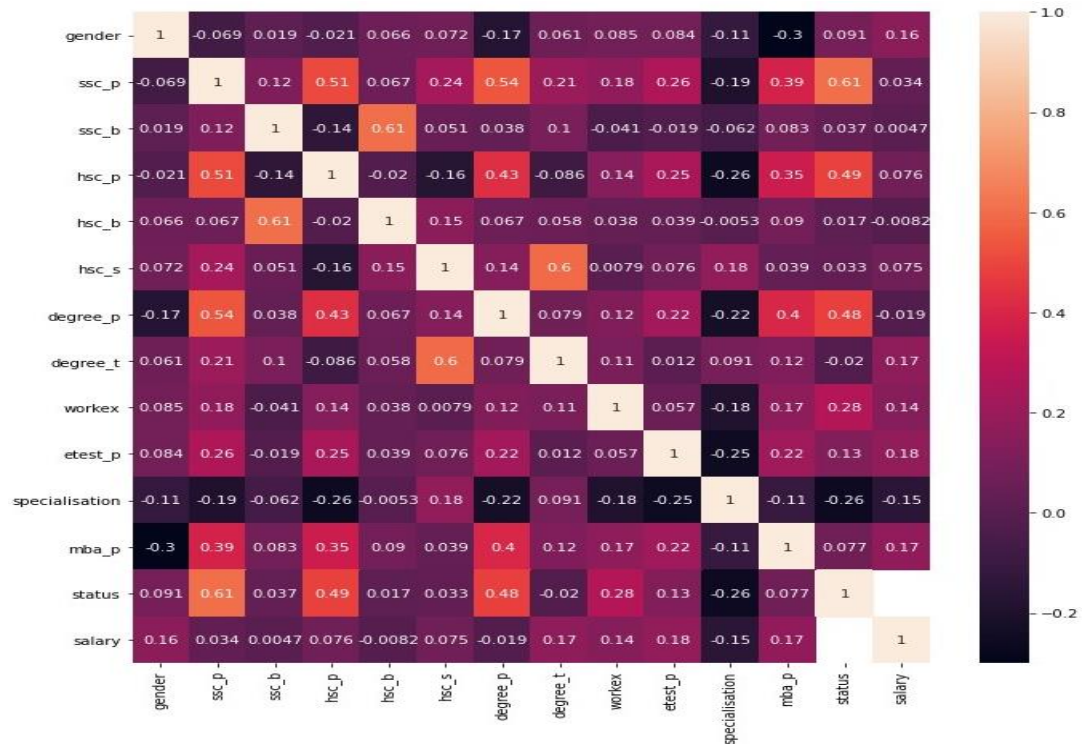
1. Cardinality of dependent variable placement



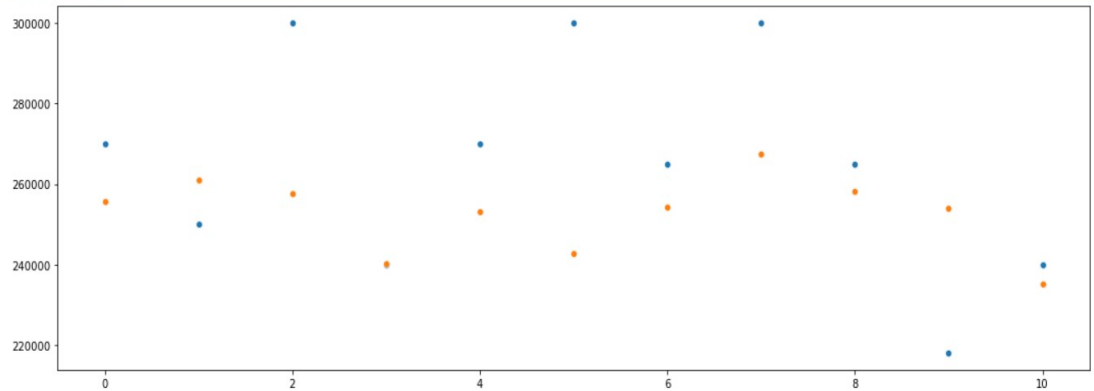
2. Check outliers using boxplot



3. Correlation between attributed using heatmap



4. Predicted salary VS Actual salary



5. Output

Placed
Salary : 263113.2016977378

Mentor Signature