College Placement System Using Python

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Abstract: *The College Placement System is a software application developed using Python to streamline and automate the placement process in educational institutions. The system aims to reduce manual effort, improve accuracy, and enhance communication between students, placement officers, and recruiting companies. It provides a centralized platform to manage student records, company details, eligibility criteria, and placement status efficiently. The application allows students to register their academic and personal information, view eligible job opportunities, and apply for companies based on predefined criteria such as CGPA, branch, and skills. The system also facilitates automated notifications, status tracking of applications, and report generation, reducing manual effort and minimizing errors. By leveraging Python's simplicity and powerful libraries, the system offers an efficient, scalable, and secure solution to enhance the overall placement process in educational institutions. Placement officers can manage company profiles, schedule interviews, track student participation, and generate placement reports. Recruiters can access eligible student data and update selection results. Overall, the College Placement System not only reduces administrative effort but also improves transparency, accessibility, and efficiency in managing campus placements, contributing significantly to the career development of students*

Keywords: College Placement System, Python Programming, Student Data Management, Recruitment Automation, Placement Portal, Database Integration, Resume Management, Eligibility Filtering, Company–Student Matching, Web-Based Application, Backend Development, Data Validation, Secure Authentication, Reporting and Analytics